### Scaling and transformation process

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The (nW)x(nH) array of residual samples r is derived as follows:

* If cu\_transquant\_bypass\_flag is equal to 1, the (nW)x(nH) array r is set equal to the (nW)x(nH) array of transform coefficients TransCoeffLevel[ xT ][ yT ][ cIdx ].
* Otherwise, the following ordered steps apply:

1. The scaling process for transform coefficients as specified in subclause 8.6.3 is invoked with the width of the transform unit nW, the height of the transform unit nH, the (nW)x(nH) array of transform coefficients TransCoeffLevel[ xT ][ yT ][ cIdx ], the chroma component variable cIdx and the quantization parameter qP as the inputs and the output is a (nW)x(nH) array of scaled transform coefficients d.
2. The transformation process for scaled transform coefficients as specified in subclause 8.6.4 is invoked with the width of the transform unit nW, the height of the transform unit nH, the (nW)x(nH) array of scaled transform coefficients d, the transform skip flag transform\_skip\_flag[ xT ][ yT ][ cIdx ] and the chroma component variable cIdx as the inputs and the output is a (nW)x(nH) array of residual samples r.