

Converting Colors

$Y_{xy}(55.1901, 0.4443, 0.4854)$

Have a look what the booklet for
Yxy(55.1901, 0.4443, 0.4854)
contains.

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Color

Yxy(55.3271, 0.4435, 0.4861)

Conversions

Conversions Part 1

Format	Color
Hex	E0C400
RGB	224, 196, 0
RGB Percent	88%, 77%, 0%
CMY	0.1216, 0.2313, 1.0000
CMYK	0.00, 0.12, 1.00, 0.12
HSL	53°, 100%, 44%
HSV	53°, 100%, 88%
XYZ	50.4784, 55.3271, 8.0128
YIQ	182.0280, 79.6040, -55.0200

Conversions

Conversions Part 2

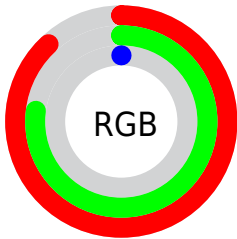
Format	Color
R _Y B	32, 224, 0
Decimal	14730240
CIE Lab	79.23, -5.56, 80.38
CIE LCh	79, 80.569, 93.957
Yxy	55.3271, 0.4435, 0.4861
Android (android.graphics.Color)	4292920320 (0xFFE0C400)
YUV	182.0280, -89.7398, 36.8094
Hunter-Lab	74.3822, -9.0323, 45.6805

Details

The Yxy color **55.3271, 0.4435, 0.4861** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **6.2114, 0.1523, 0.0682**, and the grayscale version is **47.2629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5209, 0.4063, 0.4788**, and **27.5374, 0.4436, 0.4860** is the 20% darker color. If you saturate the color by 10%, you get **55.3302, 0.4435, 0.4861**, and if you desaturate by 10%, it is **56.6641, 0.4384, 0.4845**.

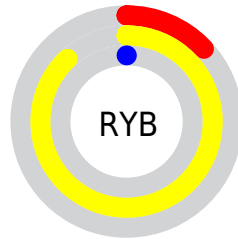
Distribution



Red (88%)

Green (77%)

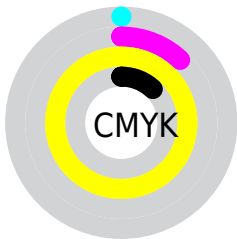
Blue (0%)



Red (13%)

Yellow (88%)

Blue (0%)

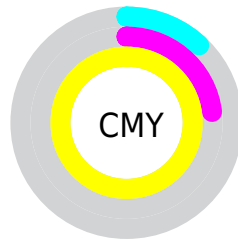


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (23%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3271, 0.4435, 0.4861 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 55.3271, 0.4435, 0.4861 by changing the saturation by 10% instead.

55.3271, 0.4435,
0.4861

55.3271, 0.4435,
0.4861

407.1507, 0.3899,
0.4189

39.6637, 0.4519,
0.4977

98.0200, 0.4276,
0.4654

27.2764, 0.4599,
0.5096

125.8183, 0.4206,
0.4565

17.7809, 0.4680,
0.5228

158.4304, 0.4142,
0.4485

10.7928, 0.4696,
0.5304

196.2406, 0.4083,
0.4413

5.9277, 0.4657,
0.5343

239.6333, 0.4030,
0.4348

2.8012, 0.4594,
0.5406

288.9930, 0.3982,

1.0288, 0.4481,

0.4290

0.5519

344.7040, 0.3939,
0.4237

■ 0.0000, 0.0000,
0.0000

■ 55.3271, 0.4435,
0.4861

■ 55.3271, 0.4435,
0.4861

■ 55.3302, 0.4435,
0.4861

■ 56.6641, 0.4384,
0.4845

■ 58.0907, 0.4308,
0.4791

■ 59.6323, 0.4205,
0.4691

■ 61.3019, 0.4076,
0.4549

■ 63.1102, 0.3929,
0.4372

■ 65.0668, 0.3769,
0.4170

■ 67.1802, 0.3604,
0.3952

■ 69.4582, 0.3439,
0.3728

■ 71.9081, 0.3279,
0.3506

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.3271, 0.5057, 0.4152



55.3271, 0.4435, 0.4861



55.3271, 0.3535, 0.5269

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.3271, 0.4435, 0.4861



55.3271, 0.1464, 0.2625



55.3271, 0.3437, 0.2221

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55.3271, 0.4435, 0.4861



6.2114, 0.1523, 0.0682

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.3271, 0.2436, 0.1876



55.3271, 0.4435, 0.4861



55.3271, 0.1456, 0.2007

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.3271, 0.4435, 0.4861



55.3271, 0.1832, 0.3707



55.3271, 0.1771, 0.1790



55.3271, 0.4506, 0.2772

Rectangle

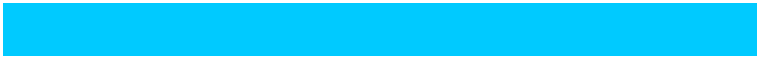
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3271, 0.4435, 0.4861



55.3271, 0.2891, 0.5108



55.3271, 0.1771, 0.1790



55.3271, 0.3075, 0.2079

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55.3302, 0.4435, 0.4861



90.0671, 0.3607, 0.3957



15.9395, 0.6247, 0.3215



19.0151, 0.3678, 0.4051



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.3302, 0.4435, 0.4861



74.1102, 0.4437, 0.4859



59.0471, 0.3557, 0.5558



15.7220, 0.3270, 0.3493



32.3245, 0.4431, 0.4864



2.3236, 0.4389, 0.4897

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6.2114, 0.1523, 0.0682



8.2455, 0.1521, 0.0676



7.1813, 0.1781, 0.0755



13.5178, 0.2981, 0.3078



3.7058, 0.1527, 0.0697



0.3485, 0.1586, 0.0908

Previews

White Background



This preview shows how the Yxy color 55.3271, 0.4435, 0.4861 looks on a white background.

Color Contrast Check

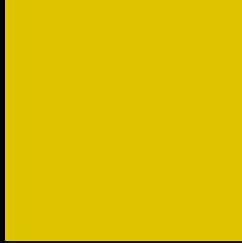
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 55.3271, 0.4435, 0.4861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.3271, 0.4435, 0.4861

Background



This preview shows how black text looks on a background with the Yxy color 55.3271, 0.4435, 0.4861.



This preview shows how white text looks on a background with the Yxy color 55.3271, 0.4435, 0.4861.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

55.3271, 0.4435, 0.4861

Protanopia

55.4709, 0.4405, 0.4876

Deuteranopia

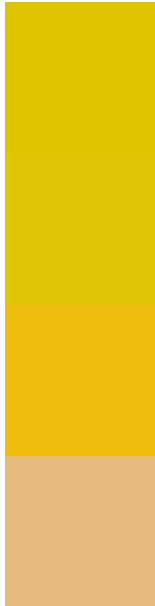
55.1402, 0.4699, 0.4591



Tritanopia

55.1036, 0.3469, 0.3136

Trichromacy



Original Color

55.3271, 0.4435, 0.4861

Protanomaly

55.6271, 0.4414, 0.4871

Deuteranomaly

55.2121, 0.4601, 0.4696

Tritanomaly

54.0102, 0.4020, 0.3989

Monochromacy



Original Color

55.3271, 0.4435, 0.4861

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.6719, 0.3781, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3271, 0.4435, 0.4861 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 196, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 196, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.3271, 0.4435, 0.4861 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 196, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 196, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 196,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3271, 0.4435, 0.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 196, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
196, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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