

Converting Colors

Yxy(64.6504, 0.4404, 0.4885)

Have a look what the booklet for
Yxy(64.6504, 0.4404, 0.4885)
contains.

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Color

Yxy(64.5931, 0.4403, 0.4886)

Conversions

Conversions Part 1

Format	Color
Hex	EDD300
RGB	237, 211, 0
RGB Percent	93%, 83%, 0%
CMY	0.0708, 0.1725, 0.9999
CMYK	0.00, 0.11, 1.00, 0.07
HSL	53°, 100%, 46%
HSV	53°, 100%, 93%
XYZ	58.2078, 64.5931, 9.3994
YIQ	194.7200, 83.2270, -60.1090

Conversions

Conversions Part 2

Format	Color
R _Y B	29, 237, 0
Decimal	15586048
CIE Lab	84.27, -7.61, 84.49
CIE LCh	84, 84.836, 95.146
Yxy	64.5931, 0.4403, 0.4886
Android (android.graphics.Color)	4293776128 (0xFFEDD300)
YUV	194.7200, -95.9970, 37.0796
Hunter-Lab	80.3698, -11.3686, 49.3248

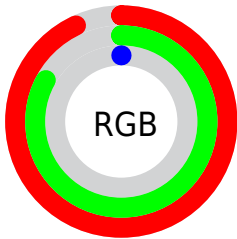
Details

The Yxy color **64.5931, 0.4403, 0.4886** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **6.8480, 0.1518, 0.0664**, and the grayscale version is **54.9433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **33.3440, 0.4396, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **64.5955, 0.4403, 0.4886**, and if you desaturate by 10%, it is **65.9600, 0.4357, 0.4870**.

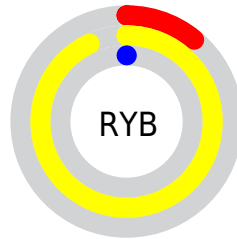
Distribution



Red (93%)

Green (83%)

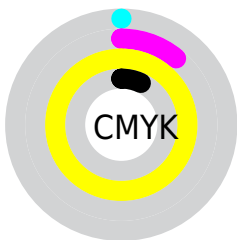
Blue (0%)



Red (11%)

Yellow (93%)

Blue (0%)

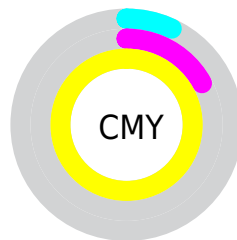


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5931, 0.4403, 0.4886 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 64.5931, 0.4403, 0.4886 by changing the saturation by 10% instead.

 64.5931, 0.4403,
0.4886

 64.5931, 0.4403,
0.4886


441.3283, 0.3900,
0.4220


 47.1312, 0.4479,
0.5000


 111.4647, 0.4257,
0.4682

 33.1394, 0.4552,
0.5119


 141.6431, 0.4191,
0.4594


 22.2333, 0.4613,
0.5238


 176.8292, 0.4131,
0.4515

 14.0284, 0.4651,
0.5349

 217.4074, 0.4076,
0.4443

 8.1404, 0.4606,
0.5394

 263.7620, 0.4026,
0.4379

 4.1849, 0.4538,
0.5462

 316.2774, 0.3980,

 1.7775, 0.4425,

0.4321

0.5575

375.3380, 0.3938,
0.4268

■ 0.4731, 0.3581,
0.6419

■ 0.0000, 0.0000,
0.0000

■ 64.5931, 0.4403,
0.4886

■ 64.5931, 0.4403,
0.4886

■ 64.5955, 0.4403,
0.4886

■ 65.9600, 0.4357,
0.4870

■ 67.4238, 0.4287,
0.4814

■ 69.0125, 0.4189,
0.4714

■ 70.7408, 0.4065,
0.4570

■ 72.6212, 0.3922,
0.4391

■ 74.6646, 0.3765,
0.4186

■ 76.8806, 0.3602,
0.3965

■ 79.2783, 0.3438,
0.3737

■ 81.8658, 0.3279,
0.3510

Harmonies

Analogous

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



64.5931, 0.5041, 0.4181



64.5931, 0.4403, 0.4886



64.5931, 0.3497, 0.5271

Triad

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



64.5931, 0.4403, 0.4886



64.5931, 0.1457, 0.2591



64.5931, 0.3481, 0.2240

Complementary

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



64.5931, 0.4403, 0.4886



6.8480, 0.1518, 0.0664

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.



64.5931, 0.2470, 0.1885



64.5931, 0.4403, 0.4886



64.5931, 0.1462, 0.1992

Square

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



64.5931, 0.4403, 0.4886



64.5931, 0.1810, 0.3658



64.5931, 0.1790, 0.1788



64.5931, 0.4542, 0.2797

Rectangle

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



64.5931, 0.4403, 0.4886



64.5931, 0.2853, 0.5084



64.5931, 0.1790, 0.1788



64.5931, 0.3117, 0.2095

Sweetspot

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



64.5962, 0.4403, 0.4886



90.7887, 0.3604, 0.3968



18.0789, 0.6281, 0.3234



19.1901, 0.3674, 0.4063



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.



64.5962, 0.4403, 0.4886



76.2492, 0.4404, 0.4885



66.6637, 0.3528, 0.5581



17.3289, 0.3271, 0.3498



35.4022, 0.4399, 0.4889



2.8605, 0.4367, 0.4915

Inverse Universe

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



6.8480, 0.1518, 0.0664



8.0461, 0.1517, 0.0661



8.3280, 0.1803, 0.0767



14.8142, 0.2980, 0.3073



3.8320, 0.1522, 0.0679



0.3894, 0.1570, 0.0850

Previews

White Background



This preview shows how the Yxy color 64.5931, 0.4403, 0.4886 looks on a white background.

Color Contrast Check

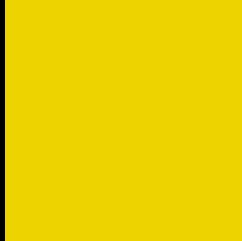
Large Text (above 18pt) WCAG AA × Fail

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 64.5931, 0.4403, 0.4886 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 64.5931, 0.4403, 0.4886

Background



This preview shows how black text looks on a background with the Yxy color 64.5931, 0.4403, 0.4886.



This preview shows how white text looks on a background with the Yxy color 64.5931, 0.4403, 0.4886.

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

64.5931, 0.4403, 0.4886

Protanopia

64.5931, 0.4403, 0.4886

Deuteranopia

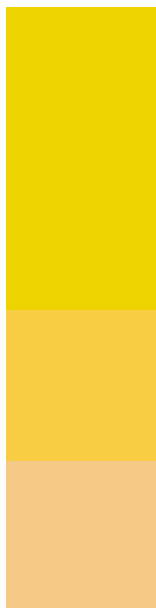
64.5417, 0.4269, 0.4241



Tritanopia

64.3227, 0.3439, 0.3134

Trichromacy



Original Color

64.5931, 0.4403, 0.4886

Protanomaly

64.5931, 0.4403, 0.4886

Deuteranomaly

64.0243, 0.4397, 0.4573

Tritanomaly

62.9070, 0.3999, 0.4003

Monochromacy



Original Color

64.5931, 0.4403, 0.4886

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

56.9302, 0.3774, 0.4205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5931, 0.4403, 0.4886 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(237, 211, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 211, 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(237, 211, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 211, 0) }
```

Border

The CSS property to change the border of an element to Yxy 64.5931, 0.4403, 0.4886 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(237, 211, 0) }
```

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

```
.border{ border-color:rgb(237, 211, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 211, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 211, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 211, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 211,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5931, 0.4403, 0.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 211, 0) }
```

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

```
.background{ background-color: rgb(237,  
211, 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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