

Converting Colors

$Y_{xy}(67.7741, 0.4192, 0.5053)$

Have a look what the booklet for
Yxy(67.7741, 0.4192, 0.5053)
contains.

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Color

Yxy(67.7721, 0.4193, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	DEDE00
RGB	222, 222, 0
RGB Percent	87%, 87%, 0%
CMY	0.1295, 0.1293, 1.0000
CMYK	0.00, 0.00, 1.00, 0.13
HSL	60°, 100%, 44%
HSV	60°, 100%, 87%
XYZ	56.2376, 67.7721, 10.1128
YIQ	196.6920, 71.2620, -69.0420

Conversions

Conversions Part 2

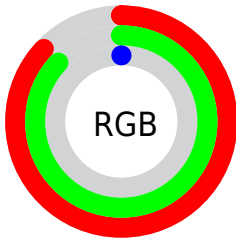
Format	Color
R _Y B	0, 222, 0
Decimal	14605824
CIE Lab	85.89, -19.43, 85.10
CIE LCh	86, 87.294, 102.863
Yxy	67.7721, 0.4193, 0.5053
Android (android.graphics.Color)	4292795904 (0xFFDEDE00)
YUV	196.6920, -96.9692, 22.1951
Hunter-Lab	82.3238, -22.1286, 50.3434

Details

The Yxy color **67.7721, 0.4193, 0.5053** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **5.2751, 0.1500, 0.0600**, and the grayscale version is **56.2029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **35.3188, 0.4142, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **67.7755, 0.4193, 0.5053**, and if you desaturate by 10%, it is **67.8350, 0.4173, 0.5021**.

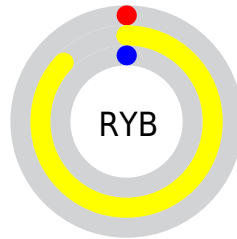
Distribution



Red (87%)

Green (87%)

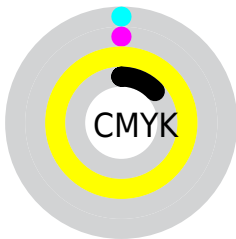
Blue (0%)



Red (0%)

Yellow (87%)

Blue (0%)

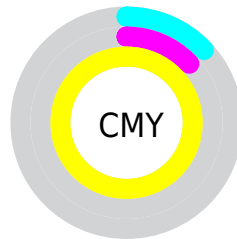


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (13%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7721, 0.4193, 0.5053 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 67.7721, 0.4193, 0.5053 by changing the saturation by 10% instead.


 67.7721, 0.4193,
0.5053


 67.7721, 0.4193,
0.5053


452.6881, 0.3796,
0.4290


 49.7124, 0.4245,
0.5194


 116.0261, 0.4084,
0.4812


 35.1849, 0.4288,
0.5347


 146.9891, 0.4033,
0.4710


 23.8053, 0.4310,
0.5507


 183.0219, 0.3985,
0.4620

 15.1893, 0.4310,
0.5690

 224.5091, 0.3941,
0.4539

 8.9523, 0.4198,
0.5802

 271.8348, 0.3900,
0.4466

 4.7101, 0.4031,
0.5969

 325.3837, 0.3863,

 2.0782, 0.3757,

0.4401

0.6243

385.5400, 0.3828,
0.4343

■ 0.6523, 0.1825,
0.8175

■ 0.0000, 0.0000,
0.0000

■ 67.7721, 0.4193,
0.5053

■ 67.7721, 0.4193,
0.5053

■ 67.7755, 0.4193,
0.5053

■ 67.8350, 0.4173,
0.5021

■ 67.9620, 0.4132,
0.4953

■ 68.1784, 0.4065,
0.4842

■ 68.4966, 0.3972,
0.4688

■ 68.9273, 0.3857,
0.4497

■ 69.4794, 0.3724,
0.4277

■ 70.1613, 0.3579,
0.4036

■ 70.9805, 0.3427,
0.3786

■ 71.9439, 0.3275,
0.3535

Harmonies

Analogous

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



67.7721, 0.4934, 0.4376



67.7721, 0.4193, 0.5053



67.7721, 0.3245, 0.5278

Triad

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



67.7721, 0.4193, 0.5053



67.7721, 0.1411, 0.2380



67.7721, 0.3775, 0.2357

Complementary

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



67.7721, 0.4193, 0.5053



5.2751, 0.1500, 0.0600

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.



67.7721, 0.2697, 0.1940



67.7721, 0.4193, 0.5053



67.7721, 0.1500, 0.1892

Square

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



67.7721, 0.4193, 0.5053



67.7721, 0.1666, 0.3345



67.7721, 0.1918, 0.1772



67.7721, 0.4780, 0.2956

Rectangle

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



67.7721, 0.4193, 0.5053



67.7721, 0.2606, 0.4917



67.7721, 0.1918, 0.1772



67.7721, 0.3398, 0.2193

Sweetspot

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



67.7755, 0.4193, 0.5053



96.0113, 0.3582, 0.4042



15.5321, 0.6401, 0.3300



20.4611, 0.3645, 0.4146



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.



67.7755, 0.4193, 0.5053



92.7694, 0.4193, 0.5053



55.6311, 0.3358, 0.5716



16.0294, 0.3267, 0.3522



40.2509, 0.4193, 0.5053



2.7900, 0.4193, 0.5053

Inverse Universe

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



5.2751, 0.1500, 0.0600



7.2204, 0.1500, 0.0600



8.6548, 0.2012, 0.0882



13.2435, 0.2980, 0.3047



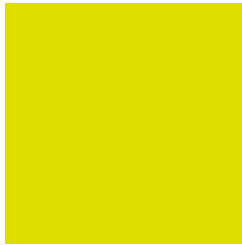
3.1329, 0.1500, 0.0600



0.2172, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 67.7721, 0.4193, 0.5053 looks on a white background.

Color Contrast Check

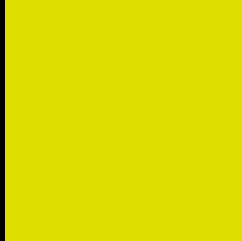
Large Text (above 18pt) WCAG AA × Fail

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 67.7721, 0.4193, 0.5053 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 67.7721, 0.4193, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 67.7721, 0.4193, 0.5053.

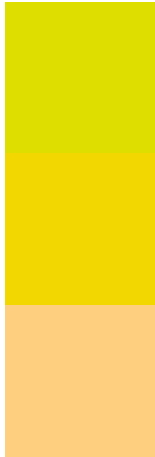


This preview shows how white text looks on a background with the Yxy color 67.7721, 0.4193, 0.5053.

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

67.7721, 0.4193, 0.5053

Protanopia

67.4781, 0.4408, 0.4882

Deuteranopia

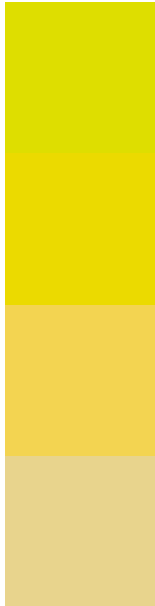
67.4442, 0.4093, 0.4093



Tritanopia

67.4211, 0.3249, 0.3121

Trichromacy



Original Color

67.7721, 0.4193, 0.5053

Protanomaly

67.8050, 0.4328, 0.4946

Deuteranomaly

66.7357, 0.4242, 0.4567

Tritanomaly

66.1659, 0.3792, 0.4071

Monochromacy



Original Color

67.7721, 0.4193, 0.5053

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

58.7451, 0.3712, 0.4256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7721, 0.4193, 0.5053 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(222, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 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(222, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.7721, 0.4193, 0.5053 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(222, 222, 0) }
```

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

```
.border{ border-color:rgb(222, 222, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7721, 0.4193, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 0) }
```

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

```
.background{ background-color: rgb(222,  
222, 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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