

Converting Colors

$Y_{xy}(70.5921, 0.4480, 0.4792)$

Have a look what the booklet for
Yxy(70.5921, 0.4480, 0.4792)
contains.

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Color

Yxy(70.4154, 0.4483, 0.4790)

Conversions

Conversions Part 1

Format	Color
Hex	FFD812
RGB	255, 216, 18
RGB Percent	100%, 85%, 7%
CMY	0.0000, 0.1529, 0.9296
CMYK	0.00, 0.15, 0.93, 0.00
HSL	50°, 100%, 54%
HSV	50°, 93%, 100%
XYZ	65.9023, 70.4154, 10.6873
YIQ	205.0890, 86.8020, -53.3100

Conversions

Conversions Part 2

Format	Color
R _{YB}	65, 255, 18
Decimal	16766994
CIE Lab	87.20, -2.28, 85.67
CIE LCh	87, 85.705, 91.527
Yxy	70.4154, 0.4483, 0.4790
Android (android.graphics.Color)	4294957074 (0xFFFFD812)
YUV	205.0890, -92.2349, 43.7719
Hunter-Lab	83.9139, -6.6631, 51.1886

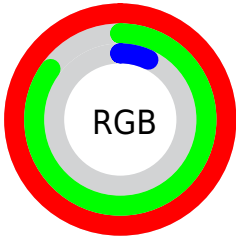
Details

The Yxy color **70.4154, 0.4483, 0.4790** 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 **10.2665, 0.1573, 0.0818**, and the grayscale version is **61.6651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **37.1781, 0.4509, 0.4802** is the 20% darker color. If you saturate the color by 10%, you get **68.8766, 0.4524, 0.4790**, and if you desaturate by 10%, it is **72.7293, 0.4404, 0.4757**.

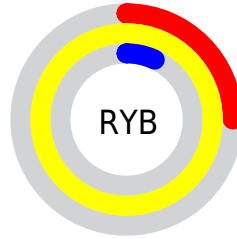
Distribution



Red (100%)

Green (85%)

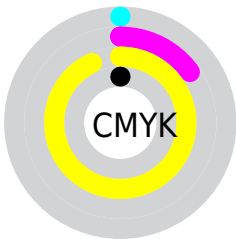
Blue (7%)



Red (25%)

Yellow (100%)

Blue (7%)

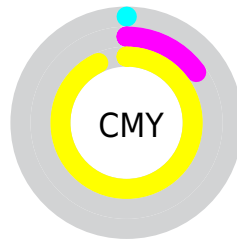


Cyan (0%)

Magenta (15%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4154, 0.4483, 0.4790 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 70.4154, 0.4483, 0.4790 by changing the saturation by 10% instead.

 70.4154, 0.4483,
0.4790


 70.4154, 0.4483,
0.4790


462.0072, 0.3946,
0.4186


 51.8653, 0.4569,
0.4890


 119.8010, 0.4325,
0.4609

 36.8977, 0.4654,
0.4991


 151.4052, 0.4254,
0.4530


 25.1283, 0.4730,
0.5086


 188.1295, 0.4190,
0.4458

 16.1727, 0.4810,
0.5190

 230.3584, 0.4132,
0.4393

 9.6464, 0.4798,
0.5202

 278.4762, 0.4079,
0.4334

 5.1652, 0.4781,
0.5219

 332.8674, 0.4031,

 2.3445, 0.4753,

0.4280

0.5247

393.9162, 0.3986,
0.4231

■ 0.7971, 0.4682,
0.5318

■ 0.0000, 0.0000,
0.0000

■ 70.4154, 0.4483,
0.4790

■ 70.4154, 0.4483,
0.4790


■ 68.8766, 0.4524,
0.4790

■ 72.7293, 0.4404,
0.4757


■ 75.2121, 0.4296,
0.4678

■ 77.8864, 0.4162,
0.4554

■ 80.7680, 0.4007,
0.4391

 83.8709, 0.3840,
0.4201

 87.2072, 0.3667,
0.3993

 90.7883, 0.3495,
0.3777

 94.6244, 0.3329,
0.3561

 98.7252, 0.3172,
0.3350

Harmonies

Analogous

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



70.4154, 0.5058, 0.4088



70.4154, 0.4483, 0.4790



70.4154, 0.3611, 0.5224

Triad

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



70.4154, 0.4483, 0.4790



70.4154, 0.1503, 0.2709



70.4154, 0.3345, 0.2201

Complementary

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



70.4154, 0.4483, 0.4790



10.2665, 0.1573, 0.0818

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.



70.4154, 0.2381, 0.1878



70.4154, 0.4483, 0.4790



70.4154, 0.1467, 0.2061

Square

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



70.4154, 0.4483, 0.4790



70.4154, 0.1901, 0.3800



70.4154, 0.1753, 0.1816



70.4154, 0.4405, 0.2732

Rectangle

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



70.4154, 0.4483, 0.4790



70.4154, 0.2975, 0.5113



70.4154, 0.1753, 0.1816



70.4154, 0.2994, 0.2067

Sweetspot

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



70.4188, 0.4483, 0.4790



88.9601, 0.3581, 0.3886



21.9891, 0.6017, 0.3135



18.7154, 0.3656, 0.3979



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.



70.4188, 0.4483, 0.4790



68.8821, 0.4524, 0.4790



80.7850, 0.3636, 0.5463



20.5521, 0.3273, 0.3487



36.1811, 0.4517, 0.4795



3.6522, 0.4474, 0.4830

Inverse Universe

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



10.2665, 0.1573, 0.0818



8.8712, 0.1534, 0.0721



10.1896, 0.1802, 0.0792



17.8602, 0.2979, 0.3085



4.7762, 0.1539, 0.0740



0.5950, 0.1588, 0.0915

Previews

White Background



This preview shows how the Yxy color 70.4154, 0.4483, 0.4790 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 70.4154, 0.4483, 0.4790 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 70.4154, 0.4483, 0.4790

Background



This preview shows how black text looks on a background with the Yxy color 70.4154, 0.4483, 0.4790.



This preview shows how white text looks on a background with the Yxy color 70.4154, 0.4483, 0.4790.

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

70.4154, 0.4483, 0.4790

Protanopia

70.4842, 0.4396, 0.4856

Deuteranopia

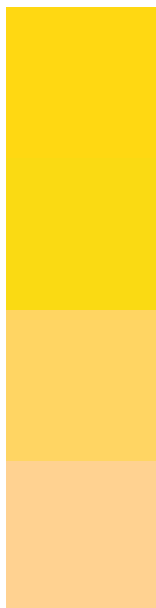
70.3913, 0.3949, 0.3977



Tritanopia

70.4124, 0.3424, 0.3179

Trichromacy



Original Color

70.4154, 0.4483, 0.4790

Protanomaly

70.5138, 0.4427, 0.4831

Deuteranomaly

69.7494, 0.4238, 0.4393

Tritanomaly

69.3975, 0.3958, 0.3958

Monochromacy



Original Color

70.4154, 0.4483, 0.4790

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

63.0950, 0.3759, 0.4107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4154, 0.4483, 0.4790 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(255, 216, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 18)  
}
```

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(255, 216, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 18) }
```

Border

The CSS property to change the border of an element to Yxy 70.4154, 0.4483, 0.4790 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(255, 216, 18) }
```

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

```
.border{ border-color:rgb(255, 216, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4154, 0.4483, 0.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 18) }
```

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

```
.background{ background-color: rgb(255,  
216, 18) }
```

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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