

Converting Colors

$Yxy(66.7694, 0.4395, 0.4513)$

Have a look what the booklet for
Yxy(66.7694, 0.4395, 0.4513)
contains.

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Color

Yxy(66.8798, 0.4394, 0.4516)

Conversions

Conversions Part 1

Format	Color
Hex	FFD04B
RGB	255, 208, 75
RGB Percent	100%, 82%, 29%
CMY	0.0000, 0.1843, 0.7057
CMYK	0.00, 0.18, 0.71, 0.00
HSL	44°, 100%, 65%
HSV	44°, 71%, 100%
XYZ	65.0730, 66.8798, 16.1424
YIQ	206.8910, 70.7050, -31.3990

Conversions

Conversions Part 2

Format	Color
RYB	139, 255, 75
Decimal	16765003
CIELab	85.44, 3.43, 69.05
CIElCh	85, 69.135, 87.160
Yxy	66.8798, 0.4394, 0.4516
Android (android.graphics.Color)	4294955083 (0xFFFFD04B)
YUV	206.8910, -65.0223, 42.1916
Hunter-Lab	81.7801, -1.0813, 45.5429

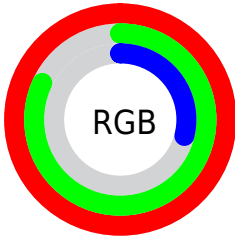
Details

The Yxy color **66.8798, 0.4394, 0.4516** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **22.6470, 0.1886, 0.1529**, and the grayscale version is **62.7168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **34.5849, 0.4610, 0.4715** is the 20% darker color. If you saturate the color by 10%, you get **63.4169, 0.4546, 0.4593**, and if you desaturate by 10%, it is **70.6171, 0.4219, 0.4396**.

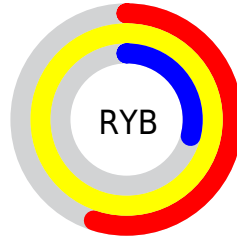
Distribution



Red (100%)

Green (82%)

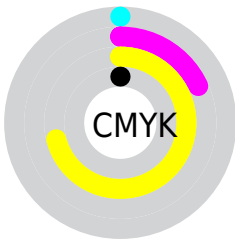
Blue (29%)



Red (55%)

Yellow (100%)

Blue (29%)

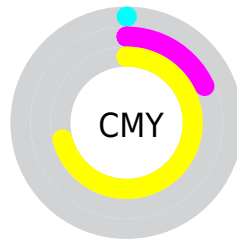


Cyan (0%)

Magenta (18%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8798, 0.4394, 0.4516 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 66.8798, 0.4394, 0.4516 by changing the saturation by 10% instead.

66.8798, 0.4394,
0.4516

66.8798, 0.4394,
0.4516

449.5168, 0.3848,
0.3999

48.9870, 0.4498,
0.4611

114.7482, 0.4220,
0.4353

34.6091, 0.4613,
0.4714

145.4925, 0.4147,
0.4285

23.3619, 0.4735,
0.4819

181.2894, 0.4082,
0.4224

14.8610, 0.4862,
0.4922

222.5233, 0.4025,
0.4169

8.7219, 0.4988,
0.5012

269.5786, 0.3974,
0.4119

4.5602, 0.5015,
0.4985

322.8397, 0.3927,

1.9916, 0.5060,

0.4075

382.6909, 0.3886,
0.4035

0.4940

0.6026, 0.5214,
0.4786

0.0000, 0.0000,
0.0000

66.8798, 0.4394,
0.4516

66.8798, 0.4394,
0.4516

63.4169, 0.4546,
0.4593

70.6171, 0.4219,
0.4396

60.2116, 0.4668,
0.4620

74.6482, 0.4031,
0.4241

57.3967, 0.4758,
0.4604

78.9865, 0.3838,
0.4063

83.6455, 0.3647,
0.3872

■ 88.6372, 0.3464,
0.3677

■ 93.9729, 0.3293,
0.3485

99.6632, 0.3136,
0.3300

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



66.8798, 0.4788, 0.3936



66.8798, 0.4394, 0.4516



66.8798, 0.3693, 0.4864

Triad

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



66.8798, 0.4394, 0.4516



66.8798, 0.1777, 0.2946



66.8798, 0.3190, 0.2309

Complementary

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



66.8798, 0.4394, 0.4516



22.6470, 0.1886, 0.1529

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.



66.8798, 0.2410, 0.2057



66.8798, 0.4394, 0.4516



66.8798, 0.1689, 0.2325

Square

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



66.8798, 0.4394, 0.4516



66.8798, 0.2188, 0.3856



66.8798, 0.1901, 0.2048



66.8798, 0.4065, 0.2755

Rectangle

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



66.8798, 0.4394, 0.4516



66.8798, 0.3154, 0.4802



66.8798, 0.1901, 0.2048



66.8798, 0.2906, 0.2200

Sweetspot

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



66.8789, 0.4394, 0.4516



88.4169, 0.3472, 0.3685



27.7284, 0.4897, 0.2868



18.6234, 0.3521, 0.3739



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.



66.8789, 0.4394, 0.4516



61.9674, 0.4604, 0.4611



86.1761, 0.3780, 0.5053



20.2405, 0.3276, 0.3465



30.2467, 0.4746, 0.4613



3.1226, 0.4669, 0.4675

Inverse Universe

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



22.6470, 0.1886, 0.1529



15.7964, 0.1697, 0.1169



16.0416, 0.1991, 0.1144



18.1490, 0.2979, 0.3109



6.0497, 0.1586, 0.0907



0.7575, 0.1644, 0.1119

Previews

White Background



This preview shows how the Yxy color 66.8798, 0.4394, 0.4516 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 66.8798, 0.4394, 0.4516 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 66.8798, 0.4394, 0.4516

Background



This preview shows how black text looks on a background with the Yxy color 66.8798, 0.4394, 0.4516.



This preview shows how white text looks on a background with the Yxy color 66.8798, 0.4394, 0.4516.

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

66.8798, 0.4394, 0.4516

Protanopia

66.9797, 0.4214, 0.4629

Deuteranopia

66.9611, 0.4099, 0.4084



Tritanopia

66.8100, 0.3482, 0.3168

Trichromacy



Original Color

66.8798, 0.4394, 0.4516

Protanomaly

67.0212, 0.4281, 0.4590

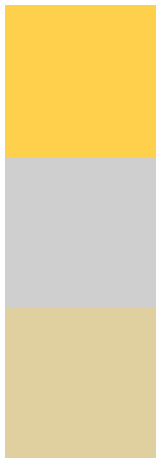
Deuteranomaly

66.9898, 0.4218, 0.4261

Tritanomaly

66.1097, 0.3863, 0.3708

Monochromacy



Original Color

66.8798, 0.4394, 0.4516

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.9761, 0.3614, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8798, 0.4394, 0.4516 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, 208, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 75)  
}
```

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, 208, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 75) }
```

Border

The CSS property to change the border of an element to Yxy 66.8798, 0.4394, 0.4516 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, 208, 75) }
```

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

```
.border{ border-color:rgb(255, 208, 75) }
```

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

Here you see how a box with a 4 pixel rgb(255, 208, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8798, 0.4394, 0.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 75) }
```

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

```
.background{ background-color: rgb(255,  
208, 75) }
```

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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