

Converting Colors

Yxy(66.6914, 0.4484, 0.4642)

Have a look what the booklet for
Yxy(66.6914, 0.4484, 0.4642)
contains.

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Color

Yxy(66.6108, 0.4484, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	FFD033
RGB	255, 208, 51
RGB Percent	100%, 82%, 20%
CMY	0.0001, 0.1842, 0.8001
CMYK	0.00, 0.18, 0.80, 0.00
HSL	46°, 100%, 60%
HSV	46°, 80%, 100%
XYZ	64.3852, 66.6108, 12.5927
YIQ	204.1550, 78.4090, -38.8630

Conversions

Conversions Part 2

Format	Color
RYB	112, 255, 51
Decimal	16764979
CIELab	85.31, 2.45, 77.22
CIELCh	85, 77.263, 88.180
Yxy	66.6108, 0.4484, 0.4639
Android (android.graphics.Color)	4294955059 (0xFFFFD033)
YUV	204.1550, -75.5054, 44.5911
Hunter-Lab	81.6154, -2.0111, 47.9827

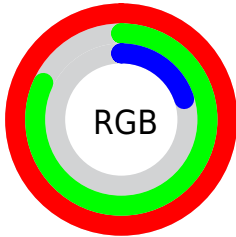
Details

The Yxy color **66.6108, 0.4484, 0.4639** 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 **16.6443, 0.1736, 0.1215**, and the grayscale version is **60.9359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9277, 0.3939, 0.4633**, and **34.5805, 0.4613, 0.4719** is the 20% darker color. If you saturate the color by 10%, you get **63.6381, 0.4596, 0.4675**, and if you desaturate by 10%, it is **69.8189, 0.4343, 0.4555**.

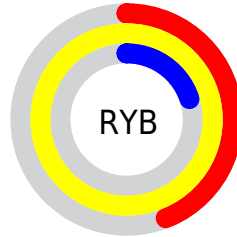
Distribution



Red (100%)

Green (82%)

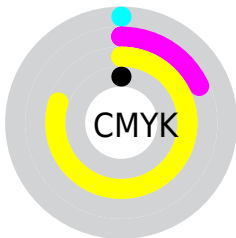
Blue (20%)



Red (44%)

Yellow (100%)

Blue (20%)

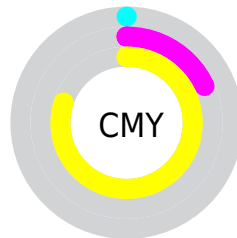


Cyan (0%)

Magenta (18%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6108, 0.4484, 0.4639 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 66.6108, 0.4484, 0.4639 by changing the saturation by 10% instead.


 66.6108, 0.4484,
0.4639

 66.6108, 0.4484,
0.4639


448.5581, 0.3917,
0.4085


 48.7684, 0.4584,
0.4734

 114.3626, 0.4309,
0.4470

 34.4358, 0.4691,
0.4833


 145.0407, 0.4234,
0.4397


 23.2286, 0.4797,
0.4928


 180.7662, 0.4166,
0.4331

 14.7624, 0.4932,
0.5047

 221.9235, 0.4106,
0.4271

 8.6528, 0.4956,
0.5044

 268.8969, 0.4051,
0.4218

 4.5154, 0.4976,
0.5024

322.0709, 0.4002,

 1.9659, 0.5008,

0.4169

0.4992

381.8299, 0.3958,
0.4125

■ 0.5875, 0.5128,
0.4872

■ 0.0000, 0.0000,
0.0000

■ 66.6108, 0.4484,
0.4639

■ 66.6108, 0.4484,
0.4639

■ 63.6381, 0.4596,
0.4675


■ 69.8189, 0.4343,
0.4555


■ 60.8626, 0.4680,
0.4666


■ 73.2715, 0.4179,
0.4428

■ 76.9877, 0.4000,
0.4266

■ 80.9815, 0.3814,
0.4081

 85.2656, 0.3630,
0.3883

 89.8514, 0.3451,
0.3681

 94.7499, 0.3283,
0.3482

99.9710, 0.3127,
0.3290

99.9944, 0.3127,
0.3290

Harmonies

Analogous

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



66.6108, 0.4955, 0.3989



66.6108, 0.4484, 0.4639



66.6108, 0.3697, 0.5054

Triad

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



66.6108, 0.4484, 0.4639



66.6108, 0.1635, 0.2861



66.6108, 0.3223, 0.2228

Complementary

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



66.6108, 0.4484, 0.4639



16.6443, 0.1736, 0.1215

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.



66.6108, 0.2356, 0.1948



66.6108, 0.4484, 0.4639



66.6108, 0.1559, 0.2201

Square

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



66.6108, 0.4484, 0.4639



66.6108, 0.2060, 0.3885



66.6108, 0.1797, 0.1923



66.6108, 0.4205, 0.2714

Rectangle

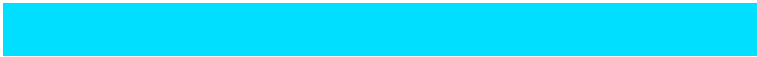
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.6108, 0.4484, 0.4639



66.6108, 0.3104, 0.4991



66.6108, 0.1797, 0.1923



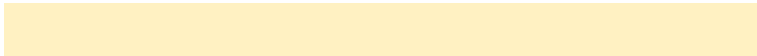
66.6108, 0.2906, 0.2109

Sweetspot

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



66.6140, 0.4484, 0.4639



88.0055, 0.3521, 0.3762



24.5132, 0.5364, 0.2945



18.4888, 0.3585, 0.3834



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.



66.6140, 0.4484, 0.4639



61.9704, 0.4648, 0.4673



84.0985, 0.3756, 0.5236



20.3400, 0.3275, 0.3472



32.0479, 0.4670, 0.4674



3.2847, 0.4604, 0.4726

Inverse Universe

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



16.6443, 0.1736, 0.1215



11.2463, 0.1586, 0.0885



12.6103, 0.1881, 0.0945



18.0560, 0.2979, 0.3101



5.5754, 0.1569, 0.0846



0.6998, 0.1625, 0.1048

Previews

White Background



This preview shows how the Yxy color 66.6108, 0.4484, 0.4639 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 66.6108, 0.4484, 0.4639 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 66.6108, 0.4484, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 66.6108, 0.4484, 0.4639.



This preview shows how white text looks on a background with the Yxy color 66.6108, 0.4484, 0.4639.

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

66.6108, 0.4484, 0.4639

Protanopia

66.8663, 0.4315, 0.4762

Deuteranopia

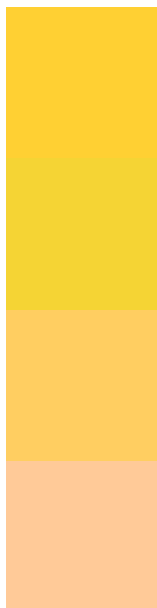
66.3779, 0.4132, 0.4111



Tritanopia

66.3013, 0.3491, 0.3168

Trichromacy



Original Color

66.6108, 0.4484, 0.4639

Protanomaly

66.7474, 0.4371, 0.4719

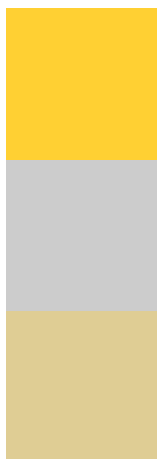
Deuteranomaly

66.2657, 0.4296, 0.4349

Tritanomaly

65.7681, 0.3941, 0.3810

Monochromacy



Original Color

66.6108, 0.4484, 0.4639

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.4887, 0.3694, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6108, 0.4484, 0.4639 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 51) }
```

Border

The CSS property to change the border of an element to Yxy 66.6108, 0.4484, 0.4639 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, 51) }
```

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

```
.border{ border-color:rgb(255, 208, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6108, 0.4484, 0.4639 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
208, 51) }
```

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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