

Converting Colors

$Yxy(80.6869, 0.4881, 0.4205)$

Have a look what the booklet for
Yxy(80.6869, 0.4881, 0.4205)
contains.

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Color

Yxy(65.4444, 0.4412, 0.4486)

Conversions

Conversions Part 1

Format	Color
Hex	FFCD4C
RGB	255, 205, 76
RGB Percent	100%, 80%, 30%
CMY	0.0002, 0.1960, 0.7020
CMYK	0.00, 0.20, 0.70, 0.00
HSL	43°, 100%, 65%
HSV	43°, 70%, 100%
XYZ	64.3648, 65.4444, 16.0766
YIQ	205.2440, 71.2090, -29.5190

Conversions

Conversions Part 2

Format	Color
RYB	145, 255, 76
Decimal	16764236
CIELab	84.71, 4.97, 67.93
CIELCh	85, 68.115, 85.814
Yxy	65.4444, 0.4412, 0.4486
Android (android.graphics.Color)	4294954316 (0xFFFFCD4C)
YUV	205.2440, -63.7173, 43.6360
Hunter-Lab	80.8977, 0.4494, 44.8458

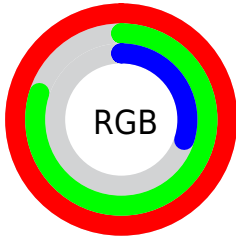
Details

The Yxy color **65.4444, 0.4412, 0.4486** is a light color, and the websafe version is hex **FFCC33**.

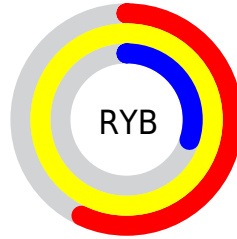
The color can be described as light washed yellow. A complement of this color would be **23.6598, 0.1901, 0.1580**, and the grayscale version is **61.5937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **33.6157, 0.4640, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **61.8332, 0.4572, 0.4561**, and if you desaturate by 10%, it is **69.3572, 0.4230, 0.4367**.

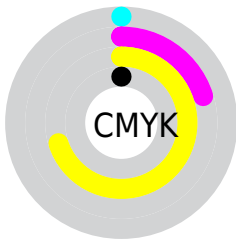
Distribution



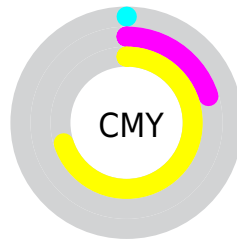
- Red (100%)
- Green (80%)
- Blue (30%)



- Red (57%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (20%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4444, 0.4412, 0.4486 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 65.4444, 0.4412, 0.4486 by changing the saturation by 10% instead.

 65.4444, 0.4412,
0.4486


 65.4444, 0.4412,
0.4486


444.3872, 0.3853,
0.3982

 47.8215, 0.4520,
0.4578


 112.6885, 0.4232,
0.4328


 33.6856, 0.4639,
0.4678


 143.0786, 0.4158,
0.4261


 22.6521, 0.4769,
0.4779


 178.4931, 0.4092,
0.4201

 14.3369, 0.4905,
0.4877

 219.3165, 0.4033,
0.4147

 8.3553, 0.5042,
0.4958

 265.9333, 0.3981,
0.4099

 4.3231, 0.5083,
0.4917

318.7277, 0.3934,

 1.8559, 0.5149,

0.4056

378.0842, 0.3892,
0.4017

0.4851

0.5217, 0.5419,
0.4581

0.0000, 0.0000,
0.0000

65.4444, 0.4412,
0.4486

65.4444, 0.4412,
0.4486

61.8332, 0.4572,
0.4561

69.3572, 0.4230,
0.4367

58.4942, 0.4704,
0.4587

73.5788, 0.4035,
0.4214

55.4565, 0.4804,
0.4568

78.1273, 0.3837,
0.4039

83.0162, 0.3644,
0.3851

■ 88.2580, 0.3459,
0.3661

■ 93.8643, 0.3287,
0.3473

99.8459, 0.3130,
0.3293

99.9923, 0.3127,
0.3290

Harmonies

Analogous

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



65.4444, 0.4783, 0.3906



65.4444, 0.4412, 0.4486



65.4444, 0.3725, 0.4846

Triad

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



65.4444, 0.4412, 0.4486



65.4444, 0.1797, 0.2986



65.4444, 0.3151, 0.2299

Complementary

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



65.4444, 0.4412, 0.4486



23.6598, 0.1901, 0.1580

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.



65.4444, 0.2386, 0.2059



65.4444, 0.4412, 0.4486



65.4444, 0.1695, 0.2353

Square

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



65.4444, 0.4412, 0.4486



65.4444, 0.2221, 0.3893



65.4444, 0.1893, 0.2062



65.4444, 0.4022, 0.2736

Rectangle

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



65.4444, 0.4412, 0.4486



65.4444, 0.3191, 0.4803



65.4444, 0.1893, 0.2062



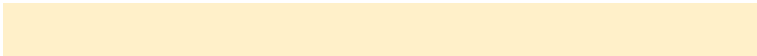
65.4444, 0.2872, 0.2194

Sweetspot

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



65.4476, 0.4412, 0.4486



87.8522, 0.3474, 0.3676



27.9460, 0.4838, 0.2839



18.4881, 0.3524, 0.3729



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.



65.4476, 0.4412, 0.4486



60.5517, 0.4626, 0.4577



86.6431, 0.3800, 0.5032



20.1834, 0.3276, 0.3461



29.2523, 0.4792, 0.4577



3.0326, 0.4707, 0.4644

Inverse Universe

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



23.6598, 0.1901, 0.1580



16.9115, 0.1719, 0.1233



16.0161, 0.1978, 0.1145



18.2028, 0.2979, 0.3114



6.3524, 0.1596, 0.0946



0.7931, 0.1656, 0.1161

Previews

White Background



This preview shows how the Yxy color 65.4444, 0.4412, 0.4486 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 65.4444, 0.4412, 0.4486 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 65.4444, 0.4412, 0.4486

Background



This preview shows how black text looks on a background with the Yxy color 65.4444, 0.4412, 0.4486.



This preview shows how white text looks on a background with the Yxy color 65.4444, 0.4412, 0.4486.

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

65.4444, 0.4412, 0.4486

Protanopia

65.4699, 0.4200, 0.4621

Deuteranopia

65.3038, 0.4177, 0.4138



Tritanopia

65.2939, 0.3511, 0.3168

Trichromacy



Original Color

65.4444, 0.4412, 0.4486

Protanomaly

65.1914, 0.4283, 0.4569

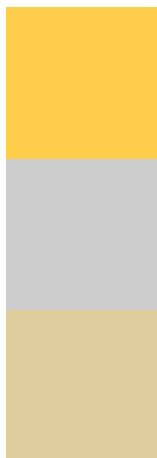
Deuteranomaly

65.4250, 0.4274, 0.4284

Tritanomaly

64.6449, 0.3891, 0.3698

Monochromacy



Original Color

65.4444, 0.4412, 0.4486

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.8192, 0.3619, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4444, 0.4412, 0.4486 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, 205, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 76)  
}
```

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, 205, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 76) }
```

Border

The CSS property to change the border of an element to Yxy 65.4444, 0.4412, 0.4486 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, 205, 76) }
```

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

```
.border{ border-color:rgb(255, 205, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4444, 0.4412, 0.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 76) }
```

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

```
.background{ background-color: rgb(255,  
205, 76) }
```

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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