

Converting Colors

$Yxy(69.6226, 0.4246, 0.4303)$

Have a look what the booklet for
Yxy(69.6226, 0.4246, 0.4303)
contains.

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Color

Yxy(68.8891, 0.4211, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	FFD36A
RGB	255, 211, 106
RGB Percent	100%, 83%, 42%
CMY	0.0000, 0.1725, 0.5842
CMYK	0.00, 0.17, 0.58, 0.00
HSL	42°, 100%, 71%
HSV	42°, 58%, 100%
XYZ	67.1354, 68.8891, 23.4041
YIQ	212.1860, 59.9290, -23.3270

Conversions

Conversions Part 2

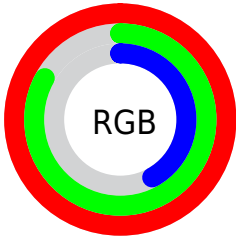
Format	Color
R_{YB}	168, 255, 106
Decimal	16765802
CIE _{Lab}	86.45, 3.70, 56.83
CIE _{LCh}	86, 56.952, 86.278
Yxy	68.8891, 0.4211, 0.4321
Android (android.graphics.Color)	4294955882 (0xFFFFD36A)
YUV	212.1860, -52.3497, 37.5479
Hunter-Lab	82.9995, -0.8666, 41.3811

Details

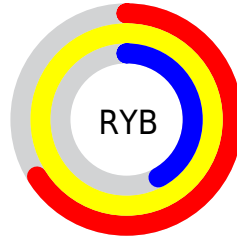
The Yxy color **68.8891, 0.4211, 0.4321** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.1065, 0.2103, 0.1934**, and the grayscale version is **66.2975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **35.9731, 0.4421, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **64.7838, 0.4402, 0.4444**, and if you desaturate by 10%, it is **73.3340, 0.4010, 0.4166**.

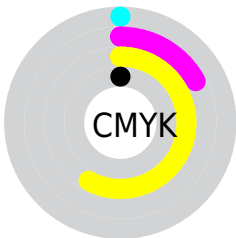
Distribution



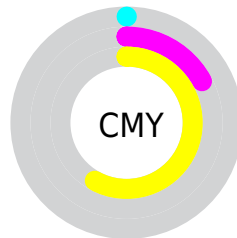
- Red (100%)
- Green (83%)
- Blue (42%)



- Red (66%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (17%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (17%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8891, 0.4211, 0.4321 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 68.8891, 0.4211, 0.4321 by changing the saturation by 10% instead.


 68.8891, 0.4211,
0.4321


 68.8891, 0.4211,
0.4321

456.6397, 0.3729,
0.3872

 50.6214, 0.4310,
0.4411


 117.6232, 0.4052,
0.4174


 35.9074, 0.4425,
0.4513


 148.8583, 0.3987,
0.4114

 24.3627, 0.4557,
0.4628


 185.1847, 0.3931,
0.4062

 15.6029, 0.4704,
0.4751


 226.9868, 0.3881,
0.4015

 9.2436, 0.4884,
0.4894

274.6490, 0.3836,
0.3973

 4.9004, 0.5023,
0.4977

328.5556, 0.3797,

 2.1889, 0.5069,

0.3936

0.4931

389.0910, 0.3761,
0.3902

0.7140, 0.5185,
0.4815

0.0000, 0.0000,
0.0000

68.8891, 0.4211,
0.4321

68.8891, 0.4211,
0.4321

64.7838, 0.4402,
0.4444

73.3340, 0.4010,
0.4166

60.9913, 0.4574,
0.4525

78.1235, 0.3808,
0.3991

57.4955, 0.4718,
0.4556

83.2747, 0.3613,
0.3806

54.2700, 0.4830,
0.4538

88.8001, 0.3429,
0.3620

■ 53.7781, 0.4847,
0.4533

■ 94.7116, 0.3259,
0.3437

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



68.8891, 0.4505, 0.3852



68.8891, 0.4211, 0.4321



68.8891, 0.3642, 0.4570

Triad

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



68.8891, 0.4211, 0.4321



68.8891, 0.2003, 0.3047



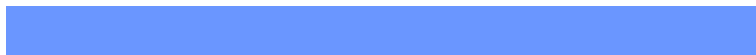
68.8891, 0.3167, 0.2454

Complementary

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



68.8891, 0.4211, 0.4321



32.1065, 0.2103, 0.1934

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.



68.8891, 0.2520, 0.2245



68.8891, 0.4211, 0.4321



68.8891, 0.1910, 0.2512

Square

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



68.8891, 0.4211, 0.4321



68.8891, 0.2372, 0.3773



68.8891, 0.2087, 0.2252



68.8891, 0.3877, 0.2837

Rectangle

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



68.8891, 0.4211, 0.4321



68.8891, 0.3193, 0.4505



68.8891, 0.2087, 0.2252



68.8891, 0.2934, 0.2363

Sweetspot

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



68.8924, 0.4211, 0.4321



89.0434, 0.3422, 0.3612



33.8002, 0.4377, 0.2847



18.7054, 0.3474, 0.3666



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.



68.8924, 0.4211, 0.4321



64.1662, 0.4431, 0.4460



88.5967, 0.3752, 0.4785



20.1315, 0.3277, 0.3457



28.3741, 0.4834, 0.4544



2.9527, 0.4743, 0.4616

Inverse Universe

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



32.1065, 0.2103, 0.1934



24.5329, 0.1913, 0.1621



22.7557, 0.2174, 0.1484



18.2518, 0.2979, 0.3118



6.6472, 0.1606, 0.0982



0.8272, 0.1667, 0.1201

Previews

White Background



This preview shows how the Yxy color 68.8891, 0.4211, 0.4321 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 68.8891, 0.4211, 0.4321 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 68.8891, 0.4211, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 68.8891, 0.4211, 0.4321.



This preview shows how white text looks on a background with the Yxy color 68.8891, 0.4211, 0.4321.

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

68.8891, 0.4211, 0.4321

Protanopia

69.0591, 0.4036, 0.4417

Deuteranopia

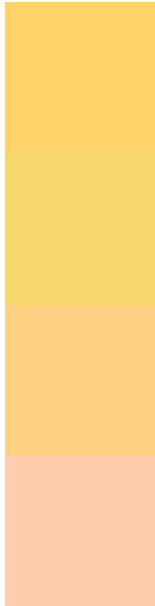
68.9053, 0.3963, 0.3949



Tritanopia

68.8782, 0.3444, 0.3169

Trichromacy



Original Color

68.8891, 0.4211, 0.4321

Protanomaly

69.0749, 0.4102, 0.4385

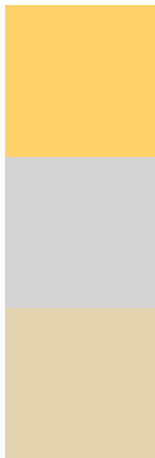
Deuteranomaly

68.9919, 0.4057, 0.4093

Tritanomaly

68.4978, 0.3748, 0.3613

Monochromacy



Original Color

68.8891, 0.4211, 0.4321

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.5981, 0.3529, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8891, 0.4211, 0.4321 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, 211, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 106)  
}
```

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, 211, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 106) }
```

Border

The CSS property to change the border of an element to Yxy 68.8891, 0.4211, 0.4321 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, 211, 106) }
```

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

```
.border{ border-color:rgb(255, 211, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8891, 0.4211, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 106) }
```

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

```
.background{ background-color: rgb(255,  
211, 106) }
```

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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