

Converting Colors

$Yxy(66.3035, 0.4285, 0.4333)$

Have a look what the booklet for
Yxy(66.3035, 0.4285, 0.4333)
contains.

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Color

Yxy(66.3035, 0.4285, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE63
RGB	255, 206, 99
RGB Percent	100%, 81%, 39%
CMY	0.0000, 0.1922, 0.6117
CMYK	0.00, 0.19, 0.61, 0.00
HSL	41°, 100%, 69%
HSV	41°, 61%, 100%
XYZ	65.5690, 66.3035, 21.1473
YIQ	208.4530, 63.5510, -22.8890

Conversions

Conversions Part 2

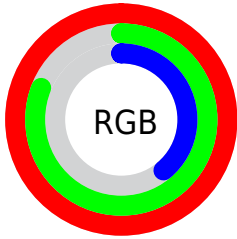
Format	Color
R_{YB}	170, 255, 99
Decimal	16764515
CIE _{Lab}	85.15, 5.80, 58.58
CIE _{LCh}	85, 58.862, 84.343
Yxy	66.3035, 0.4285, 0.4333
Android (android.graphics.Color)	4294954595 (0xFFFFCE63)
YUV	208.4530, -53.9603, 40.8217
Hunter-Lab	81.4270, 1.2398, 41.6007

Details

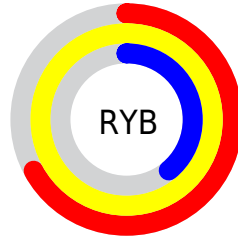
The Yxy color **66.3035, 0.4285, 0.4333** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.0554, 0.2064, 0.1898**, and the grayscale version is **63.7117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0799, 0.3728, 0.4284**, and **34.2480, 0.4516, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **62.1308, 0.4479, 0.4442**, and if you desaturate by 10%, it is **70.8258, 0.4079, 0.4189**.

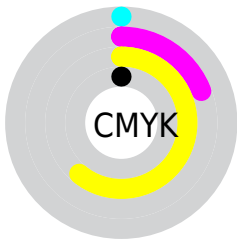
Distribution



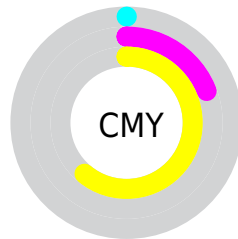
- Red (100%)
- Green (81%)
- Blue (39%)



- Red (67%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (19%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3035, 0.4285, 0.4333 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 66.3035, 0.4285, 0.4333 by changing the saturation by 10% instead.


 66.3035, 0.4285,
0.4333


 66.3035, 0.4285,
0.4333


447.4615, 0.3768,
0.3882


 48.5188, 0.4391,
0.4421

 113.9218, 0.4114,
0.4187


 34.2379, 0.4513,
0.4520


 144.5243, 0.4045,
0.4127

 23.0764, 0.4653,
0.4628


 180.1681, 0.3984,
0.4074

 14.6500, 0.4808,
0.4739

 221.2376, 0.3930,
0.4027

 8.5741, 0.5027,
0.4892

268.1174, 0.3883,
0.3985

 4.4644, 0.5114,
0.4886

321.1917, 0.3841,

 1.9366, 0.5190,

0.3947

0.4810

380.8449, 0.3802,
0.3913

■ 0.5702, 0.5452,
0.4548

■ 0.0000, 0.0000,
0.0000

■ 66.3035, 0.4285,
0.4333

■ 66.3035, 0.4285,
0.4333

■ 62.1308, 0.4479,
0.4442

■ 70.8258, 0.4079,
0.4189

■ 58.2911, 0.4653,
0.4506

■ 75.7150, 0.3872,
0.4023

■ 54.7629, 0.4796,
0.4520

■ 80.9851, 0.3670,
0.3844

■ 51.8804, 0.4898,
0.4493

■ 86.6495, 0.3480,
0.3661

■ 92.7206, 0.3305,
0.3482

■ 99.2103, 0.3145,
0.3310

■ 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.



66.3035, 0.4572, 0.3833



66.3035, 0.4285, 0.4333



66.3035, 0.3702, 0.4625

Triad

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



66.3035, 0.4285, 0.4333



66.3035, 0.1972, 0.3076



66.3035, 0.3118, 0.2401

Complementary

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



66.3035, 0.4285, 0.4333



31.0554, 0.2064, 0.1898

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.



66.3035, 0.2456, 0.2197



66.3035, 0.4285, 0.4333



66.3035, 0.1860, 0.2502

Square

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



66.3035, 0.4285, 0.4333



66.3035, 0.2371, 0.3846



66.3035, 0.2025, 0.2218



66.3035, 0.3866, 0.2787

Rectangle

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



66.3035, 0.4285, 0.4333



66.3035, 0.3236, 0.4584



66.3035, 0.2025, 0.2218



66.3035, 0.2878, 0.2310

Sweetspot

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



66.3031, 0.4285, 0.4333



88.5316, 0.3423, 0.3604



32.3360, 0.4436, 0.2808



18.5797, 0.3476, 0.3656



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.



66.3031, 0.4285, 0.4333



61.4053, 0.4513, 0.4458



88.6547, 0.3789, 0.4834



20.0716, 0.3277, 0.3452



27.3881, 0.4883, 0.4505



2.8625, 0.4785, 0.4583

Inverse Universe

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



31.0554, 0.2064, 0.1898



23.7423, 0.1880, 0.1587



20.7037, 0.2104, 0.1389



18.3087, 0.2979, 0.3122



7.0123, 0.1619, 0.1027



0.8685, 0.1680, 0.1248

Previews

White Background



This preview shows how the Yxy color 66.3035, 0.4285, 0.4333 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 66.3035, 0.4285, 0.4333 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 66.3035, 0.4285, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 66.3035, 0.4285, 0.4333.



This preview shows how white text looks on a background with the Yxy color 66.3035, 0.4285, 0.4333.

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

66.3035, 0.4285, 0.4333

Protanopia

66.3610, 0.4076, 0.4453

Deuteranopia

66.5076, 0.4097, 0.4065



Tritanopia

66.3013, 0.3491, 0.3168

Trichromacy



Original Color

66.3035, 0.4285, 0.4333

Protanomaly

66.0680, 0.4157, 0.4407

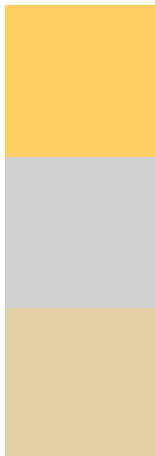
Deuteranomaly

66.2306, 0.4172, 0.4165

Tritanomaly

65.9356, 0.3803, 0.3615

Monochromacy



Original Color

66.3035, 0.4285, 0.4333

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.4604, 0.3555, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3035, 0.4285, 0.4333 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, 206, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 99)  
}
```

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, 206, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 99) }
```

Border

The CSS property to change the border of an element to Yxy 66.3035, 0.4285, 0.4333 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, 206, 99) }
```

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

```
.border{ border-color:rgb(255, 206, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3035, 0.4285, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 99) }
```

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

```
.background{ background-color: rgb(255,  
206, 99) }
```

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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