

Converting Colors

$Yxy(64.8491, 0.4305, 0.4306)$

Have a look what the booklet for
Yxy(64.8491, 0.4305, 0.4306)
contains.

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Color

Yxy(64.8727, 0.4305, 0.4307)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB63
RGB	255, 203, 99
RGB Percent	100%, 80%, 39%
CMY	0.0001, 0.2039, 0.6118
CMYK	0.00, 0.20, 0.61, 0.00
HSL	40°, 100%, 69%
HSV	40°, 61%, 100%
XYZ	64.8426, 64.8727, 20.9063
YIQ	206.6920, 64.3760, -21.3200

Conversions

Conversions Part 2

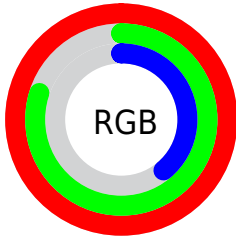
Format	Color
RYB	177, 255, 99
Decimal	16763747
CIELab	84.42, 7.32, 57.75
CIElCh	84, 58.216, 82.773
Yxy	64.8727, 0.4305, 0.4307
Android (android.graphics.Color)	4294953827 (0xFFFFCB63)
YUV	206.6920, -53.0922, 42.3661
Hunter-Lab	80.5436, 2.7523, 40.9909

Details

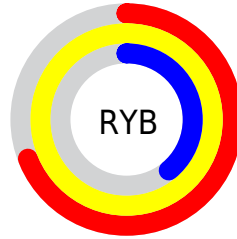
The Yxy color **64.8727, 0.4305, 0.4307** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.9914, 0.2073, 0.1936**, and the grayscale version is **62.5060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0799, 0.3728, 0.4284**, and **33.2943, 0.4544, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **60.5595, 0.4507, 0.4413**, and if you desaturate by 10%, it is **69.5660, 0.4092, 0.4167**.

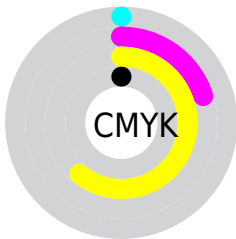
Distribution



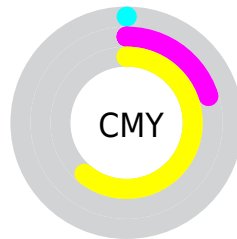
- Red (100%)
- Green (80%)
- Blue (39%)



- Red (69%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (20%)
- Yellow (61%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8727, 0.4305, 0.4307 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 64.8727, 0.4305, 0.4307 by changing the saturation by 10% instead.


 64.8727, 0.4305,
0.4307


 64.8727, 0.4305,
0.4307

442.3344, 0.3775,
0.3868

 47.3579, 0.4415,
0.4392


 111.8668, 0.4129,
0.4165


 33.3186, 0.4542,
0.4488


 142.1149, 0.4058,
0.4107

 22.3707, 0.4688,
0.4592


 177.3762, 0.3996,
0.4055

 14.1295, 0.4851,
0.4696

 218.0350, 0.3941,
0.4009

 8.2108, 0.5088,
0.4846

264.4759, 0.3892,
0.3968

 4.2301, 0.5182,
0.4818

317.0831, 0.3849,

 1.8031, 0.5280,

0.3931

0.4720

376.2412, 0.3810,
0.3898

0.4891, 0.5682,
0.4318

0.0000, 0.0000,
0.0000

64.8727, 0.4305,
0.4307

64.8727, 0.4305,
0.4307

60.5595, 0.4507,
0.4413

69.5660, 0.4092,
0.4167

56.5983, 0.4689,
0.4473

74.6463, 0.3880,
0.4004

52.9707, 0.4841,
0.4482

80.1320, 0.3675,
0.3829

50.0190, 0.4950,
0.4452

86.0369, 0.3482,
0.3651

■ 92.3740, 0.3305,
0.3477

■ 99.1555, 0.3145,
0.3309

■ 99.9963, 0.3127,
0.3290

Harmonies

Analogous

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



64.8727, 0.4571, 0.3803



64.8727, 0.4305, 0.4307



64.8727, 0.3736, 0.4614

Triad

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



64.8727, 0.4305, 0.4307



64.8727, 0.1990, 0.3115



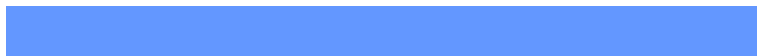
64.8727, 0.3080, 0.2388

Complementary

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



64.8727, 0.4305, 0.4307



31.9914, 0.2073, 0.1936

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.



64.8727, 0.2430, 0.2196



64.8727, 0.4305, 0.4307



64.8727, 0.1863, 0.2528

Square

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



64.8727, 0.4305, 0.4307



64.8727, 0.2402, 0.3884



64.8727, 0.2013, 0.2229



64.8727, 0.3826, 0.2765

Rectangle

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



64.8727, 0.4305, 0.4307



64.8727, 0.3274, 0.4591



64.8727, 0.2013, 0.2229



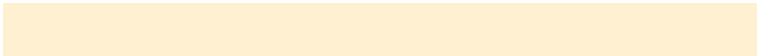
64.8727, 0.2843, 0.2301

Sweetspot

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



64.8758, 0.4305, 0.4307



88.0172, 0.3425, 0.3595



32.4129, 0.4401, 0.2782



18.4535, 0.3478, 0.3647



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.



64.8758, 0.4305, 0.4307



59.8212, 0.4543, 0.4427



89.0635, 0.3808, 0.4823



20.0112, 0.3277, 0.3448



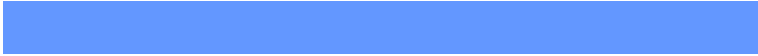
26.4264, 0.4934, 0.4464



2.7741, 0.4828, 0.4549

Inverse Universe

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



31.9914, 0.2073, 0.1936



24.6760, 0.1892, 0.1633



20.5007, 0.2087, 0.1382



18.3664, 0.2979, 0.3127



7.4072, 0.1632, 0.1075



0.9124, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 64.8727, 0.4305, 0.4307 looks on a white background.

Color Contrast Check

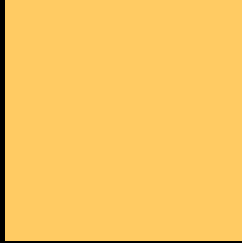
Large Text (above 18pt) WCAG AA × Fail

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 64.8727, 0.4305, 0.4307 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 64.8727, 0.4305, 0.4307

Background



This preview shows how black text looks on a background with the Yxy color 64.8727, 0.4305, 0.4307.



This preview shows how white text looks on a background with the Yxy color 64.8727, 0.4305, 0.4307.

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

64.8727, 0.4305, 0.4307

Protanopia

64.8715, 0.4058, 0.4439

Deuteranopia

64.8571, 0.4176, 0.4120



Tritanopia

64.7952, 0.3521, 0.3168

Trichromacy



Original Color

64.8727, 0.4305, 0.4307

Protanomaly

64.7521, 0.4147, 0.4389

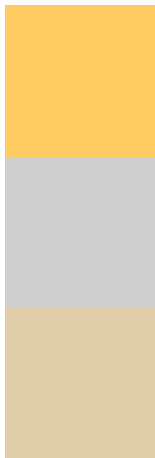
Deuteranomaly

64.6709, 0.4230, 0.4191

Tritanomaly

64.4753, 0.3830, 0.3605

Monochromacy



Original Color

64.8727, 0.4305, 0.4307

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.8171, 0.3549, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8727, 0.4305, 0.4307 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, 203, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 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, 203, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 99) }
```

Border

The CSS property to change the border of an element to Yxy 64.8727, 0.4305, 0.4307 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, 203, 99) }
```

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

```
.border{ border-color:rgb(255, 203, 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, 203, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8727, 0.4305, 0.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 99) }
```

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

```
.background{ background-color: rgb(255,  
203, 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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