

Converting Colors

$Yxy(64.9734, 0.4287, 0.4284)$

Have a look what the booklet for
Yxy(64.9734, 0.4287, 0.4284)
contains.

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Color

Yxy(64.9312, 0.4287, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB66
RGB	255, 203, 102
RGB Percent	100%, 80%, 40%
CMY	0.0000, 0.2039, 0.6000
CMYK	0.00, 0.20, 0.60, 0.00
HSL	40°, 100%, 70%
HSV	40°, 60%, 100%
XYZ	64.9918, 64.9312, 21.6791
YIQ	207.0340, 63.4130, -20.3870

Conversions

Conversions Part 2

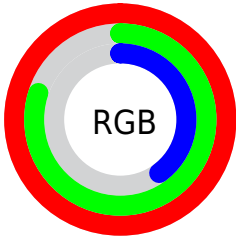
Format	Color
R_{YB}	181, 255, 102
Decimal	16763750
CIE _{Lab}	84.45, 7.53, 56.40
CIE _{LCh}	84, 56.901, 82.395
Y _{xy}	64.9312, 0.4287, 0.4283
Android (android.graphics.Color)	4294953830 (0xFFFFCB66)
YUV	207.0340, -51.7818, 42.0662
Hunter-Lab	80.5799, 2.9546, 40.4546

Details

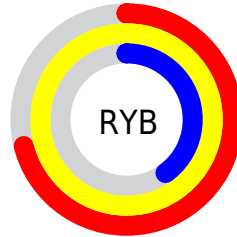
The Yxy color **64.9312, 0.4287, 0.4283** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.1515, 0.2096, 0.1981**, and the grayscale version is **62.7312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **33.3187, 0.4527, 0.4461** is the 20% darker color. If you saturate the color by 10%, you get **60.5250, 0.4494, 0.4392**, and if you desaturate by 10%, it is **69.7279, 0.4072, 0.4141**.

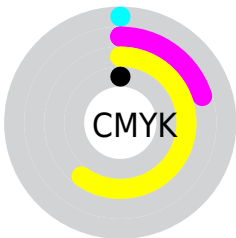
Distribution



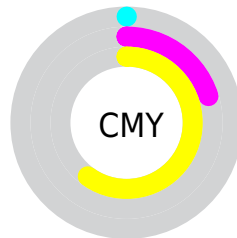
- Red (100%)
- Green (80%)
- Blue (40%)



- Red (71%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9312, 0.4287, 0.4283 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 64.9312, 0.4287, 0.4283 by changing the saturation by 10% instead.


 64.9312, 0.4287,
0.4283


 64.9312, 0.4287,
0.4283

442.5447, 0.3764,
0.3853

 47.4053, 0.4396,
0.4367


 111.9509, 0.4112,
0.4144


 33.3562, 0.4523,
0.4462


 142.2136, 0.4042,
0.4086

 22.3994, 0.4670,
0.4566


 177.4905, 0.3981,
0.4036

 14.1507, 0.4837,
0.4672

 218.1663, 0.3927,
0.3991

 8.2255, 0.5066,
0.4812

264.6252, 0.3879,
0.3951

 4.2396, 0.5190,
0.4810

317.2516, 0.3836,

 1.8085, 0.5291,

0.3915

0.4709

376.4300, 0.3798,
0.3882

0.4925, 0.5697,
0.4303

0.0000, 0.0000,
0.0000

64.9312, 0.4287,
0.4283

64.9312, 0.4287,
0.4283

60.5250, 0.4494,
0.4392

69.7279, 0.4072,
0.4141

56.4814, 0.4682,
0.4457

74.9223, 0.3858,
0.3978

52.7821, 0.4841,
0.4471

80.5326, 0.3653,
0.3804

49.3945, 0.4968,
0.4437

86.5727, 0.3461,
0.3627

49.3931, 0.4968,
0.4437

93.0559, 0.3286,
0.3455

99.9942, 0.3127,
0.3290

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



64.9312, 0.4540, 0.3790



64.9312, 0.4287, 0.4283



64.9312, 0.3734, 0.4583

Triad

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



64.9312, 0.4287, 0.4283



64.9312, 0.2017, 0.3129



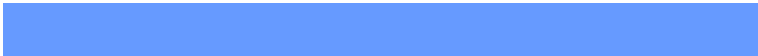
64.9312, 0.3073, 0.2402

Complementary

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



64.9312, 0.4287, 0.4283



33.1515, 0.2096, 0.1981

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.



64.9312, 0.2438, 0.2216



64.9312, 0.4287, 0.4283



64.9312, 0.1887, 0.2552

Square

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



64.9312, 0.4287, 0.4283



64.9312, 0.2425, 0.3879



64.9312, 0.2032, 0.2253



64.9312, 0.3802, 0.2770

Rectangle

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



64.9312, 0.4287, 0.4283



64.9312, 0.3282, 0.4561



64.9312, 0.2032, 0.2253



64.9312, 0.2841, 0.2317

Sweetspot

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



64.9343, 0.4287, 0.4283



87.8384, 0.3425, 0.3592



33.1475, 0.4329, 0.2762



18.4096, 0.3478, 0.3643



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.



64.9343, 0.4287, 0.4283



59.6910, 0.4534, 0.4409



89.6361, 0.3817, 0.4788



19.9902, 0.3278, 0.3446



26.0992, 0.4952, 0.4450



2.7439, 0.4843, 0.4537

Inverse Universe

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



33.1515, 0.2096, 0.1981



25.5650, 0.1910, 0.1674



21.0802, 0.2092, 0.1411



18.3865, 0.2979, 0.3129



7.5511, 0.1637, 0.1092



0.9283, 0.1699, 0.1316

Previews

White Background



This preview shows how the Yxy color 64.9312, 0.4287, 0.4283 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 64.9312, 0.4287, 0.4283 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 64.9312, 0.4287, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 64.9312, 0.4287, 0.4283.



This preview shows how white text looks on a background with the Yxy color 64.9312, 0.4287, 0.4283.

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

64.9312, 0.4287, 0.4283

Protanopia

64.9321, 0.4040, 0.4413

Deuteranopia

64.8815, 0.4170, 0.4111



Tritanopia

64.7952, 0.3521, 0.3168

Trichromacy



Original Color

64.9312, 0.4287, 0.4283

Protanomaly

64.8120, 0.4130, 0.4364

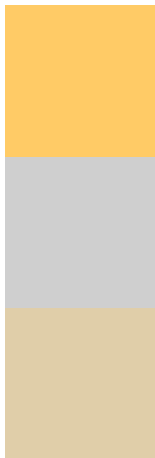
Deuteranomaly

64.7160, 0.4217, 0.4173

Tritanomaly

64.5127, 0.3822, 0.3594

Monochromacy



Original Color

64.9312, 0.4287, 0.4283

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.8545, 0.3542, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9312, 0.4287, 0.4283 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 102) }
```

Border

The CSS property to change the border of an element to Yxy 64.9312, 0.4287, 0.4283 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, 102) }
```

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

```
.border{ border-color:rgb(255, 203, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9312, 0.4287, 0.4283 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
203, 102) }
```

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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