

Converting Colors

$Y_{xy}(64.7272, 0.4351, 0.4367)$

Have a look what the booklet for
Yxy(64.7272, 0.4351, 0.4367)
contains.

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Color

Yxy(64.7272, 0.4351, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	<code>FFCB5B</code>
RGB	255, 203, 91
RGB Percent	100%, 80%, 36%
CMY	0.0000, 0.2039, 0.6430
CMYK	0.00, 0.20, 0.64, 0.00
HSL	41°, 100%, 68%
HSV	41°, 64%, 100%
XYZ	64.4900, 64.7272, 19.0017
YIQ	205.7800, 66.9440, -23.8080

Conversions

Conversions Part 2

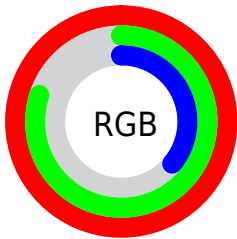
Format	Color
RYB	167, 255, 91
Decimal	16763739
CIELab	84.34, 6.85, 61.24
CIELCh	84, 61.621, 83.619
Yxy	64.7272, 0.4351, 0.4367
Android (android.graphics.Color)	4294953819 (0xFFFFCB5B)
YUV	205.7800, -56.5865, 43.1659
Hunter-Lab	80.4532, 2.2897, 42.3140

Details

The Yxy color **64.7272, 0.4351, 0.4367** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **29.1053, 0.2015, 0.1821**, and the grayscale version is **61.9123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **33.2244, 0.4592, 0.4545** is the 20% darker color. If you saturate the color by 10%, you get **60.6384, 0.4541, 0.4463**, and if you desaturate by 10%, it is **69.1653, 0.4146, 0.4234**.

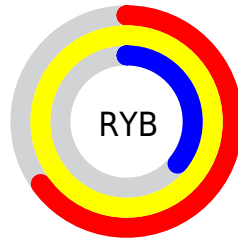
Distribution



Red (100%)

Green (80%)

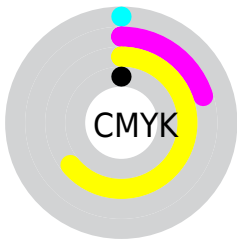
Blue (36%)



Red (65%)

Yellow (100%)

Blue (36%)

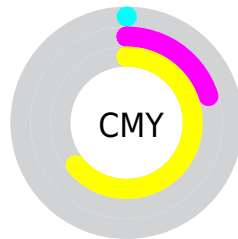


Cyan (0%)

Magenta (20%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7272, 0.4351, 0.4367 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 64.7272, 0.4351, 0.4367 by changing the saturation by 10% instead.

 64.7272, 0.4351,
0.4367


 64.7272, 0.4351,
0.4367


441.8110, 0.3806,
0.3906


 47.2399, 0.4461,
0.4455


 111.6576, 0.4172,
0.4220

 33.2254, 0.4588,
0.4552


 141.8694, 0.4099,
0.4158

 22.2991, 0.4731,
0.4655


 177.0916, 0.4034,
0.4104

 14.0769, 0.4885,
0.4754

 217.7085, 0.3978,
0.4055

 8.1741, 0.5106,
0.4894

264.1045, 0.3927,
0.4012

 4.2066, 0.5163,
0.4837

316.6640, 0.3883,

 1.7898, 0.5256,

0.3973

0.4744

375.7713, 0.3842,
0.3937

■ 0.4808, 0.5649,
0.4351

■ 0.0000, 0.0000,
0.0000

■ 64.7272, 0.4351,
0.4367

■ 64.7272, 0.4351,
0.4367

■ 60.6384, 0.4541,
0.4463

■ 69.1653, 0.4146,
0.4234

■ 56.8792, 0.4707,
0.4511

■ 73.9685, 0.3938,
0.4073

■ 53.4275, 0.4841,
0.4507

■ 79.1520, 0.3733,
0.3898

■ 51.5793, 0.4906,
0.4487

■ 84.7296, 0.3539,
0.3716

90.7141, 0.3358,
0.3536

97.1176, 0.3193,
0.3362

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.



64.7272, 0.4650, 0.3835



64.7272, 0.4351, 0.4367



64.7272, 0.3741, 0.4696

Triad

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



64.7272, 0.4351, 0.4367



64.7272, 0.1923, 0.3077



64.7272, 0.3097, 0.2352

Complementary

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



64.7272, 0.4351, 0.4367



29.1053, 0.2015, 0.1821

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.



64.7272, 0.2408, 0.2144



64.7272, 0.4351, 0.4367



64.7272, 0.1801, 0.2470

Square

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



64.7272, 0.4351, 0.4367



64.7272, 0.2343, 0.3897



64.7272, 0.1966, 0.2170



64.7272, 0.3888, 0.2749

Rectangle

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



64.7272, 0.4351, 0.4367



64.7272, 0.3253, 0.4669



64.7272, 0.1966, 0.2170



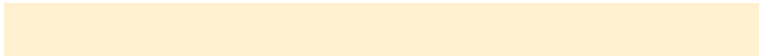
64.7272, 0.2845, 0.2259

Sweetspot

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



64.7275, 0.4351, 0.4367



87.8474, 0.3441, 0.3620



30.8158, 0.4504, 0.2768



18.4395, 0.3493, 0.3672



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.



64.7275, 0.4351, 0.4367



59.5902, 0.4589, 0.4481



88.7169, 0.3829, 0.4885



20.0619, 0.3277, 0.3452



27.2319, 0.4891, 0.4498



2.8482, 0.4792, 0.4577

Inverse Universe

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



29.1053, 0.2015, 0.1821



21.7959, 0.1828, 0.1494



18.5875, 0.2028, 0.1286



18.3179, 0.2979, 0.3123



7.0737, 0.1621, 0.1035



0.8754, 0.1682, 0.1256

Previews

White Background



This preview shows how the Yxy color 64.7272, 0.4351, 0.4367 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 64.7272, 0.4351, 0.4367 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 64.7272, 0.4351, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 64.7272, 0.4351, 0.4367.



This preview shows how white text looks on a background with the Yxy color 64.7272, 0.4351, 0.4367.

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

64.7272, 0.4351, 0.4367

Protanopia

64.8713, 0.4116, 0.4510

Deuteranopia

64.7854, 0.4197, 0.4147



Tritanopia

64.7464, 0.3529, 0.3178

Trichromacy



Original Color

64.7272, 0.4351, 0.4367

Protanomaly

64.7617, 0.4206, 0.4458

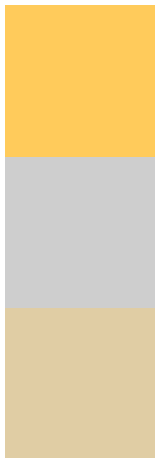
Deuteranomaly

64.5838, 0.4256, 0.4225

Tritanomaly

64.3285, 0.3862, 0.3647

Monochromacy



Original Color

64.7272, 0.4351, 0.4367

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.1903, 0.3582, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7272, 0.4351, 0.4367 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 91) }
```

Border

The CSS property to change the border of an element to Yxy 64.7272, 0.4351, 0.4367 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, 91) }
```

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

```
.border{ border-color:rgb(255, 203, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7272, 0.4351, 0.4367 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, 91) }
```

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

```
.background{ background-color: rgb(255,  
203, 91) }
```

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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