

Converting Colors

$Yxy(63.7359, 0.4334, 0.4302)$

Have a look what the booklet for
Yxy(63.7359, 0.4334, 0.4302)
contains.

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Color

Yxy(63.8964, 0.4331, 0.4305)

Conversions

Conversions Part 1

Format	Color
Hex	FFC961
RGB	255, 201, 97
RGB Percent	100%, 79%, 38%
CMY	0.0000, 0.2117, 0.6197
CMYK	0.00, 0.21, 0.62, 0.00
HSL	40°, 100%, 69%
HSV	40°, 62%, 100%
XYZ	64.2823, 63.8964, 20.2450
YIQ	205.2900, 65.5680, -20.8960

Conversions

Conversions Part 2

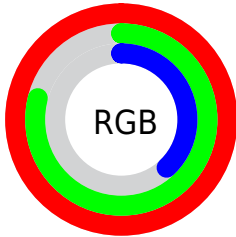
Format	Color
R_{YB}	179, 255, 97
Decimal	16763233
CIE _{Lab}	83.91, 8.23, 58.11
CIE _{LCh}	84, 58.691, 81.935
Yxy	63.8964, 0.4331, 0.4305
Android (android.graphics.Color)	4294953313 (0xFFFFC961)
YUV	205.2900, -53.3870, 43.5957
Hunter-Lab	79.9352, 3.6595, 40.9384

Details

The Yxy color **63.8964, 0.4331, 0.4305** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.8771, 0.2064, 0.1933**, and the grayscale version is **61.5597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0144, 0.3739, 0.4302**, and **32.6514, 0.4576, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **59.5507, 0.4536, 0.4406**, and if you desaturate by 10%, it is **68.6315, 0.4116, 0.4169**.

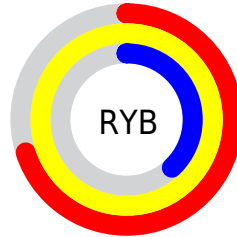
Distribution



Red (100%)

Green (79%)

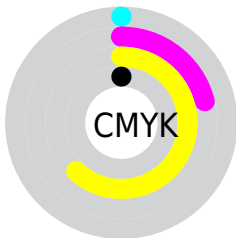
Blue (38%)



Red (70%)

Yellow (100%)

Blue (38%)

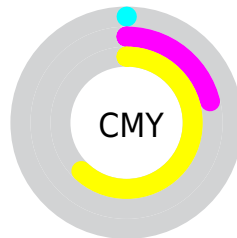


Cyan (0%)

Magenta (21%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8964, 0.4331, 0.4305 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 63.8964, 0.4331, 0.4305 by changing the saturation by 10% instead.


 63.8964, 0.4331,
0.4305


 63.8964, 0.4331,
0.4305


438.8154, 0.3788,
0.3868

 46.5668, 0.4443,
0.4389


 110.4617, 0.4150,
0.4165


 32.6933, 0.4574,
0.4483


 140.4662, 0.4078,
0.4106

 21.8916, 0.4723,
0.4583


 175.4644, 0.4014,
0.4055

 13.7773, 0.4890,
0.4683

 215.8408, 0.3958,
0.4009

 7.9659, 0.5147,
0.4838

261.9797, 0.3908,
0.3968

 4.0731, 0.5224,
0.4776

314.2655, 0.3864,

 1.7146, 0.5337,

0.3931

0.4663

373.0826, 0.3824,
0.3898

0.4331, 0.5859,
0.4141

0.0000, 0.0000,
0.0000

63.8964, 0.4331,
0.4305

63.8964, 0.4331,
0.4305

59.5507, 0.4536,
0.4406

68.6315, 0.4116,
0.4169

55.5659, 0.4719,
0.4461

73.7636, 0.3901,
0.4009

51.9231, 0.4872,
0.4464

79.3112, 0.3693,
0.3837

49.2219, 0.4973,
0.4433

85.2885, 0.3498,
0.3661

■ 91.7089, 0.3319,
0.3488

■ 98.5850, 0.3157,
0.3322

■ 99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



63.8964, 0.4591, 0.3792



63.8964, 0.4331, 0.4305



63.8964, 0.3760, 0.4628

Triad

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



63.8964, 0.4331, 0.4305



63.8964, 0.1984, 0.3131



63.8964, 0.3058, 0.2370

Complementary

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



63.8964, 0.4331, 0.4305



31.8771, 0.2064, 0.1933

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.



63.8964, 0.2406, 0.2181



63.8964, 0.4331, 0.4305



63.8964, 0.1849, 0.2531

Square

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



63.8964, 0.4331, 0.4305



63.8964, 0.2408, 0.3913



63.8964, 0.1993, 0.2222



63.8964, 0.3815, 0.2746

Rectangle

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



63.8964, 0.4331, 0.4305



63.8964, 0.3294, 0.4615



63.8964, 0.1993, 0.2222



63.8964, 0.2819, 0.2284

Sweetspot

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



63.8995, 0.4331, 0.4305



87.1535, 0.3443, 0.3609



32.0783, 0.4391, 0.2751



18.2708, 0.3496, 0.3659



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.



63.8995, 0.4331, 0.4305



58.7162, 0.4575, 0.4421



89.4182, 0.3832, 0.4828



19.9843, 0.3278, 0.3446



26.0086, 0.4957, 0.4446



2.7355, 0.4847, 0.4533

Inverse Universe

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



31.8771, 0.2064, 0.1933



24.5581, 0.1883, 0.1628



19.8037, 0.2054, 0.1349



18.3921, 0.2979, 0.3129



7.5919, 0.1638, 0.1097



0.9327, 0.1700, 0.1320

Previews

White Background



This preview shows how the Yxy color 63.8964, 0.4331, 0.4305 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 63.8964, 0.4331, 0.4305 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 63.8964, 0.4331, 0.4305

Background



This preview shows how black text looks on a background with the Yxy color 63.8964, 0.4331, 0.4305.



This preview shows how white text looks on a background with the Yxy color 63.8964, 0.4331, 0.4305.

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

63.8964, 0.4331, 0.4305

Protanopia

64.1691, 0.4067, 0.4452

Deuteranopia

63.7608, 0.4236, 0.4163



Tritanopia

63.8077, 0.3541, 0.3167

Trichromacy



Original Color

63.8964, 0.4331, 0.4305

Protanomaly

64.0518, 0.4157, 0.4401

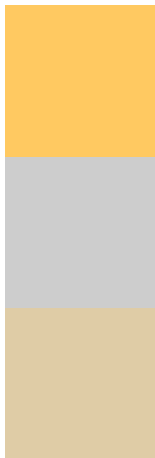
Deuteranomaly

63.6301, 0.4276, 0.4215

Tritanomaly

63.4930, 0.3853, 0.3605

Monochromacy



Original Color

63.8964, 0.4331, 0.4305

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.6269, 0.3561, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8964, 0.4331, 0.4305 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, 201, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 97)  
}
```

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, 201, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 97) }
```

Border

The CSS property to change the border of an element to Yxy 63.8964, 0.4331, 0.4305 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, 201, 97) }
```

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

```
.border{ border-color:rgb(255, 201, 97) }
```

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

Here you see how a box with a 4 pixel rgb(255, 201, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8964, 0.4331, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 97) }
```

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

```
.background{ background-color: rgb(255,  
201, 97) }
```

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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