

Converting Colors

Yxy(64.1566, 0.4252, 0.4202)

Have a look what the booklet for
Yxy(64.1566, 0.4252, 0.4202)
contains.

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Color

Yxy(64.1591, 0.4250, 0.4199)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFC96E |
| RGB | 255, 201, 110 |
| RGB Percent | 100%, 79%, 43% |
| CMY | 0.0000, 0.2117, 0.5688 |
| CMYK | 0.00, 0.21, 0.57, 0.00 |
| HSL | 38°, 100%, 72% |
| HSV | 38°, 57%, 100% |
| XYZ | 64.9384, 64.1591, 23.6987 |
| YIQ | 206.7720, 61.3950, -16.8530 |

Conversions

Conversions Part 2

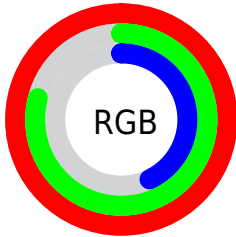
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 196, 255, 110 |
| Decimal | 16763246 |
| CIE _{Lab} | 84.05, 9.13, 52.19 |
| CIE _{LCh} | 84, 52.985, 80.074 |
| Yxy | 64.1591, 0.4250, 0.4199 |
| Android (android.graphics.Color) | 4294953326 (0xFFFFC96E) |
| YUV | 206.7720, -47.7086, 42.2960 |
| Hunter-Lab | 80.0994, 4.5400, 38.5277 |

Details

The Yxy color **64.1591, 0.4250, 0.4199** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.0609, 0.2162, 0.2123**, and the grayscale version is **62.5247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **32.7750, 0.4492, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **59.3950, 0.4474, 0.4314**, and if you desaturate by 10%, it is **69.3626, 0.4024, 0.4056**.

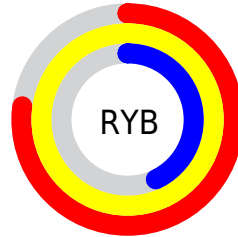
Distribution



Red (100%)

Green (79%)

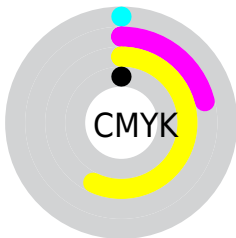
Blue (43%)



Red (77%)

Yellow (100%)

Blue (43%)

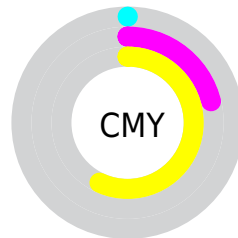


Cyan (0%)

Magenta (21%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1591, 0.4250, 0.4199 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 64.1591, 0.4250, 0.4199 by changing the saturation by 10% instead.


 64.1591, 0.4250,
0.4199


 64.1591, 0.4250,
0.4199


439.7640, 0.3737,
0.3803


 46.7795, 0.4360,
0.4278


 110.8400, 0.4077,
0.4070


 32.8614, 0.4489,
0.4367


 140.9102, 0.4008,
0.4017

 22.0203, 0.4643,
0.4467


 175.9794, 0.3948,
0.3970

 13.8718, 0.4821,
0.4572

 216.4319, 0.3895,
0.3929

 8.0316, 0.5046,
0.4688

262.6523, 0.3848,
0.3892

 4.1152, 0.5259,
0.4741

315.0248, 0.3807,

 1.7382, 0.5383,

0.3859

0.4617

373.9339, 0.3770,
0.3830

0.4482, 0.5915,
0.4085

0.0000, 0.0000,
0.0000

64.1591, 0.4250,
0.4199

64.1591, 0.4250,
0.4199

59.3950, 0.4474,
0.4314

69.3626, 0.4024,
0.4056

55.0419, 0.4684,
0.4387

75.0135, 0.3804,
0.3895

51.0814, 0.4868,
0.4411

81.1306, 0.3597,
0.3727

47.4873, 0.5017,
0.4381

87.7289, 0.3407,
0.3559

46.4305, 0.5060,
0.4365

94.8222, 0.3235,
0.3397

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.



64.1591, 0.4454, 0.3731



64.1591, 0.4250, 0.4199



64.1591, 0.3750, 0.4490

Triad

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



64.1591, 0.4250, 0.4199



64.1591, 0.2103, 0.3196



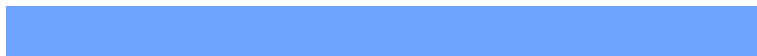
64.1591, 0.3027, 0.2431

Complementary

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



64.1591, 0.4250, 0.4199



37.0609, 0.2162, 0.2123

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.



64.1591, 0.2442, 0.2270



64.1591, 0.4250, 0.4199



64.1591, 0.1957, 0.2634

Square

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



64.1591, 0.4250, 0.4199



64.1591, 0.2511, 0.3891



64.1591, 0.2074, 0.2327



64.1591, 0.3709, 0.2770

Rectangle

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



64.1591, 0.4250, 0.4199



64.1591, 0.3329, 0.4485



64.1591, 0.2074, 0.2327



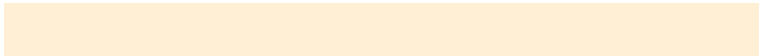
64.1591, 0.2813, 0.2355

Sweetspot

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



64.1622, 0.4250, 0.4199



87.6496, 0.3409, 0.3561



35.1378, 0.4172, 0.2732



18.4687, 0.3446, 0.3595



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.



64.1622, 0.4250, 0.4199



58.8891, 0.4498, 0.4324



90.8333, 0.3825, 0.4705



19.8876, 0.3278, 0.3439



24.5573, 0.5042, 0.4379



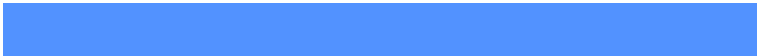
2.6007, 0.4919, 0.4476

Inverse Universe

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



37.0609, 0.2162, 0.2123



29.5973, 0.1987, 0.1849



22.8636, 0.2121, 0.1499



18.4852, 0.2979, 0.3137



8.3027, 0.1661, 0.1179



1.0095, 0.1723, 0.1404

Previews

White Background



This preview shows how the Yxy color 64.1591, 0.4250, 0.4199 looks on a white background.

Color Contrast Check

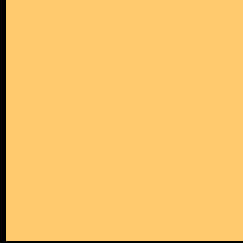
Large Text (above 18pt) WCAG AA × Fail

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 64.1591, 0.4250, 0.4199 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 64.1591, 0.4250, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 64.1591, 0.4250, 0.4199.



This preview shows how white text looks on a background with the Yxy color 64.1591, 0.4250, 0.4199.

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

64.1591, 0.4250, 0.4199

Protanopia

64.2744, 0.3981, 0.4338

Deuteranopia

64.3652, 0.4189, 0.4119



Tritanopia

64.2998, 0.3531, 0.3168

Trichromacy



Original Color

64.1591, 0.4250, 0.4199

Protanomaly

64.3208, 0.4078, 0.4288

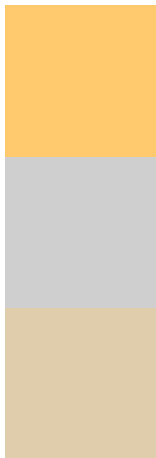
Deuteranomaly

64.2942, 0.4210, 0.4146

Tritanomaly

64.1328, 0.3809, 0.3563

Monochromacy



Original Color

64.1591, 0.4250, 0.4199

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.4885, 0.3521, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1591, 0.4250, 0.4199 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 110) }
```

Border

The CSS property to change the border of an element to Yxy 64.1591, 0.4250, 0.4199 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, 110) }
```

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

```
.border{ border-color:rgb(255, 201, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1591, 0.4250, 0.4199 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, 110) }
```

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

```
.background{ background-color: rgb(255,  
201, 110) }
```

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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