

Converting Colors

$Y_{xy}(64.3660, 0.4478, 0.4536)$

Have a look what the booklet for
Yxy(64.3660, 0.4478, 0.4536)
contains.

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Color

Yxy(64.3420, 0.4480, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB40
RGB	255, 203, 64
RGB Percent	100%, 80%, 25%
CMY	0.0000, 0.2039, 0.7490
CMYK	0.00, 0.20, 0.75, 0.00
HSL	44°, 100%, 63%
HSV	44°, 75%, 100%
XYZ	63.5196, 64.3420, 13.9233
YIQ	202.7020, 75.6110, -32.2050

Conversions

Conversions Part 2

Format	Color
R_{YB}	135, 255, 64
Decimal	16763712
CIE Lab	84.14, 5.49, 71.90
CIE LCh	84, 72.110, 85.631
Yxy	64.3420, 0.4480, 0.4538
Android (android.graphics.Color)	4294953792 (0xFFFFCB40)
YUV	202.7020, -68.3801, 45.8653
Hunter-Lab	80.2135, 0.9775, 45.8580

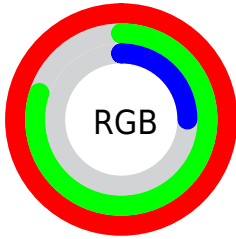
Details

The Yxy color **64.3420, 0.4480, 0.4538** is a light color, and the websafe version is hex **FFCC33**.

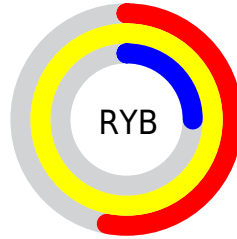
The color can be described as light washed yellow. A complement of this color would be **20.8001, 0.1828, 0.1440**, and the grayscale version is **59.9283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1605, 0.3893, 0.4557**, and **32.9642, 0.4675, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **60.9126, 0.4624, 0.4591**, and if you desaturate by 10%, it is **68.0570, 0.4310, 0.4437**.

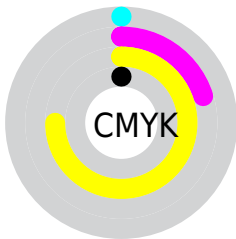
Distribution



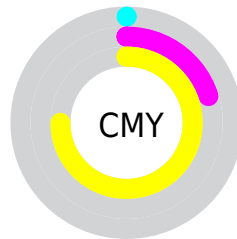
- Red (100%)
- Green (80%)
- Blue (25%)



- Red (53%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (20%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3420, 0.4480, 0.4538 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 64.3420, 0.4480, 0.4538 by changing the saturation by 10% instead.


 64.3420, 0.4480,
0.4538

 64.3420, 0.4480,
0.4538


440.4236, 0.3898,
0.4020

 46.9277, 0.4589,
0.4629

 111.1033, 0.4295,
0.4378

 32.9785, 0.4708,
0.4724


 141.2192, 0.4218,
0.4310


 22.1100, 0.4833,
0.4817

 176.3377, 0.4149,
0.4248

 13.9377, 0.4978,
0.4918

 216.8432, 0.4087,
0.4193

 8.0774, 0.5061,
0.4939

 263.1202, 0.4032,
0.4143

 4.1445, 0.5107,
0.4893

315.5530, 0.3983,

 1.7547, 0.5183,

0.4098

0.4817

374.5260, 0.3938,
0.4057

■ 0.4587, 0.5541,
0.4459

■ 0.0000, 0.0000,
0.0000

■ 64.3420, 0.4480,
0.4538

■ 64.3420, 0.4480,
0.4538

■ 60.9126, 0.4624,
0.4591

■ 68.0570, 0.4310,
0.4437

■ 57.7379, 0.4738,
0.4595

■ 72.0660, 0.4122,
0.4298

■ 56.2018, 0.4786,
0.4582

■ 76.3879, 0.3927,
0.4131

■ 81.0365, 0.3732,
0.3946

86.0247, 0.3543,
0.3755

91.3642, 0.3366,
0.3563

97.0662, 0.3202,
0.3378

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



64.3420, 0.4881, 0.3919



64.3420, 0.4480, 0.4538



64.3420, 0.3752, 0.4944

Triad

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



64.3420, 0.4480, 0.4538



64.3420, 0.1726, 0.2963



64.3420, 0.3143, 0.2245

Complementary

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



64.3420, 0.4480, 0.4538



20.8001, 0.1828, 0.1440

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.



64.3420, 0.2338, 0.1995



64.3420, 0.4480, 0.4538



64.3420, 0.1622, 0.2297

Square

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



64.3420, 0.4480, 0.4538



64.3420, 0.2168, 0.3939



64.3420, 0.1826, 0.1996



64.3420, 0.4073, 0.2699

Rectangle

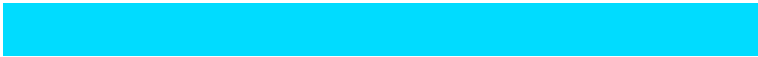
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.3420, 0.4480, 0.4538



64.3420, 0.3189, 0.4913



64.3420, 0.1826, 0.1996



64.3420, 0.2848, 0.2136

Sweetspot

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



64.3451, 0.4480, 0.4538



87.5402, 0.3491, 0.3699



26.2379, 0.5017, 0.2840



18.4344, 0.3540, 0.3751



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.



64.3451, 0.4480, 0.4538



59.2656, 0.4686, 0.4599



86.1235, 0.3816, 0.5111



20.2053, 0.3276, 0.3462



29.6300, 0.4774, 0.4591



3.0668, 0.4692, 0.4656

Inverse Universe

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



20.8001, 0.1828, 0.1440



14.4073, 0.1656, 0.1087



13.9150, 0.1899, 0.1026



18.1821, 0.2979, 0.3112



6.2337, 0.1592, 0.0931



0.7792, 0.1651, 0.1145

Previews

White Background



This preview shows how the Yxy color 64.3420, 0.4480, 0.4538 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 64.3420, 0.4480, 0.4538 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 64.3420, 0.4480, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 64.3420, 0.4480, 0.4538.



This preview shows how white text looks on a background with the Yxy color 64.3420, 0.4480, 0.4538.

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

64.3420, 0.4480, 0.4538

Protanopia

64.6440, 0.4250, 0.4694

Deuteranopia

64.1374, 0.4256, 0.4207



Tritanopia

64.2514, 0.3539, 0.3178

Trichromacy



Original Color

64.3420, 0.4480, 0.4538

Protanomaly

64.3706, 0.4333, 0.4639

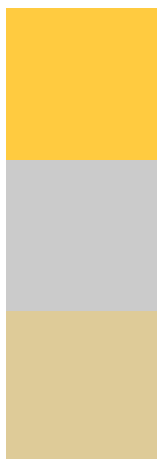
Deuteranomaly

64.2914, 0.4347, 0.4344

Tritanomaly

63.5256, 0.3947, 0.3740

Monochromacy



Original Color

64.3420, 0.4480, 0.4538

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.5085, 0.3663, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3420, 0.4480, 0.4538 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 64) }
```

Border

The CSS property to change the border of an element to Yxy 64.3420, 0.4480, 0.4538 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, 64) }
```

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

```
.border{ border-color:rgb(255, 203, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3420, 0.4480, 0.4538 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, 64) }
```

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

```
.background{ background-color: rgb(255,  
203, 64) }
```

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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