

Converting Colors

$Y_{xy}(67.5619, 0.4535, 0.4753)$

Have a look what the booklet for
Yxy(67.5619, 0.4535, 0.4753)
contains.

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Color

Yxy(67.3906, 0.4538, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	FFD210
RGB	255, 210, 16
RGB Percent	100%, 82%, 6%
CMY	0.0000, 0.1765, 0.9375
CMYK	0.00, 0.18, 0.94, 0.00
HSL	49°, 100%, 53%
HSV	49°, 94%, 100%
XYZ	64.3829, 67.3906, 10.1015
YIQ	201.3390, 89.0940, -50.7940

Conversions

Conversions Part 2

Format	Color
R _Y B	71, 255, 16
Decimal	16765456
CIE Lab	85.70, 0.75, 84.81
CIE LCh	86, 84.810, 89.492
Yxy	67.3906, 0.4538, 0.4750
Android (android.graphics.Color)	4294955536 (0xFFFFD210)
YUV	201.3390, -91.3721, 47.0607
Hunter-Lab	82.0918, -3.6668, 50.1685

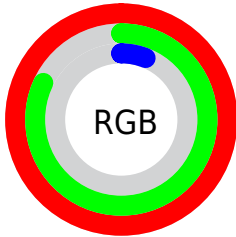
Details

The Yxy color **67.3906, 0.4538, 0.4750** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **10.6606, 0.1579, 0.0845**, and the grayscale version is **59.1638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **35.1144, 0.4579, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **65.8868, 0.4579, 0.4747**, and if you desaturate by 10%, it is **69.9236, 0.4453, 0.4725**.

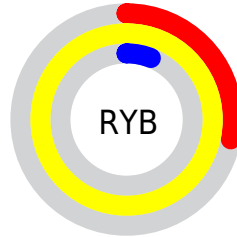
Distribution



Red (100%)

Green (82%)

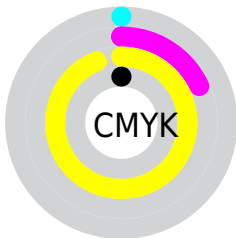
Blue (6%)



Red (28%)

Yellow (100%)

Blue (6%)

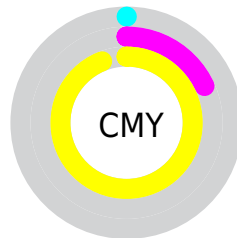


Cyan (0%)

Magenta (18%)

Yellow (94%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3906, 0.4538, 0.4750 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 67.3906, 0.4538, 0.4750 by changing the saturation by 10% instead.


 67.3906, 0.4538,
0.4750


 67.3906, 0.4538,
0.4750


451.3338, 0.3970,
0.4166

 49.4021, 0.4630,
0.4844


 115.4799, 0.4369,
0.4577

 34.9386, 0.4723,
0.4938


 146.3496, 0.4295,
0.4500


 23.6156, 0.4810,
0.5023


 182.2817, 0.4227,
0.4431

 15.0487, 0.4894,
0.5106

 223.6607, 0.4165,
0.4367

 8.8536, 0.4898,
0.5102

 270.8711, 0.4110,
0.4310

 4.6458, 0.4904,
0.5096

 324.2971, 0.4059,

 2.0410, 0.4914,

0.4257

0.5086

384.3232, 0.4013,
0.4210

■ 0.6311, 0.4948,
0.5052

■ 0.0000, 0.0000,
0.0000

■ 67.3906, 0.4538,
0.4750

■ 67.3906, 0.4538,
0.4750


■ 65.8868, 0.4579,
0.4747

■ 69.9236, 0.4453,
0.4725


■ 72.6425, 0.4339,
0.4653


■ 75.5682, 0.4198,
0.4535

■ 78.7171, 0.4037,
0.4378

 82.1032, 0.3864,
0.4194

 85.7392, 0.3687,
0.3991

 89.6366, 0.3511,
0.3780

 93.8059, 0.3343,
0.3570

 98.2570, 0.3184,
0.3365

Harmonies

Analogous

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



67.3906, 0.5087, 0.4040



67.3906, 0.4538, 0.4750



67.3906, 0.3675, 0.5221

Triad

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



67.3906, 0.4538, 0.4750



67.3906, 0.1513, 0.2768



67.3906, 0.3272, 0.2168

Complementary

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



67.3906, 0.4538, 0.4750



10.6606, 0.1579, 0.0845

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.



67.3906, 0.2324, 0.1861



67.3906, 0.4538, 0.4750



67.3906, 0.1454, 0.2086

Square

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



67.3906, 0.4538, 0.4750



67.3906, 0.1938, 0.3886



67.3906, 0.1719, 0.1818



67.3906, 0.4345, 0.2689

Rectangle

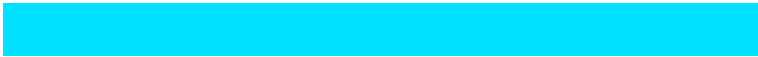
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.3906, 0.4538, 0.4750



67.3906, 0.3038, 0.5152



67.3906, 0.1719, 0.1818



67.3906, 0.2924, 0.2038

Sweetspot

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



67.3918, 0.4538, 0.4750



87.9470, 0.3585, 0.3870



21.9962, 0.5950, 0.3091



18.4678, 0.3662, 0.3961



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.



67.3918, 0.4538, 0.4750



65.8868, 0.4579, 0.4747



81.6592, 0.3686, 0.5428



20.4752, 0.3274, 0.3482



34.6354, 0.4571, 0.4753



3.5154, 0.4520, 0.4793

Inverse Universe

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



10.6606, 0.1579, 0.0845



9.3337, 0.1543, 0.0754



9.6469, 0.1748, 0.0759



17.9308, 0.2979, 0.3091



5.0343, 0.1549, 0.0775



0.6303, 0.1600, 0.0961

Previews

White Background



This preview shows how the Yxy color 67.3906, 0.4538, 0.4750 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 67.3906, 0.4538, 0.4750 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 67.3906, 0.4538, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 67.3906, 0.4538, 0.4750.



This preview shows how white text looks on a background with the Yxy color 67.3906, 0.4538, 0.4750.

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

67.3906, 0.4538, 0.4750

Protanopia

67.5218, 0.4392, 0.4860

Deuteranopia

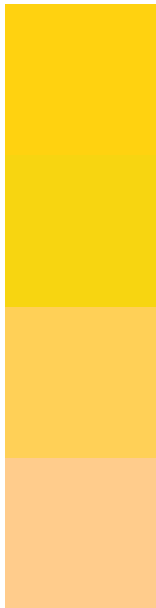
67.4180, 0.4100, 0.4102



Tritanopia

67.2717, 0.3480, 0.3178

Trichromacy



Original Color

67.3906, 0.4538, 0.4750

Protanomaly

67.4031, 0.4449, 0.4817

Deuteranomaly

67.0599, 0.4336, 0.4439

Tritanomaly

66.3392, 0.4023, 0.3950

Monochromacy



Original Color

67.3906, 0.4538, 0.4750

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.2791, 0.3784, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3906, 0.4538, 0.4750 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, 210, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 16)  
}
```

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, 210, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 16) }
```

Border

The CSS property to change the border of an element to Yxy 67.3906, 0.4538, 0.4750 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, 210, 16) }
```

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

```
.border{ border-color:rgb(255, 210, 16) }
```

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

Here you see how a box with a 4 pixel rgb(255, 210, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3906, 0.4538, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 16) }
```

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

```
.background{ background-color: rgb(255,  
210, 16) }
```

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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