

Converting Colors

Yxy(57.9961, 0.4625, 0.4710)

Have a look what the booklet for
Yxy(57.9961, 0.4625, 0.4710)
contains.

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Color

Yxy(57.9961, 0.4625, 0.4710)

Conversions

Conversions Part 1

Format	Color
Hex	F5C200
RGB	245, 194, 0
RGB Percent	96%, 76%, 0%
CMY	0.0392, 0.2392, 1.0000
CMYK	0.00, 0.21, 1.00, 0.04
HSL	48°, 100%, 48%
HSV	48°, 100%, 96%
XYZ	56.9495, 57.9961, 8.1884
YIQ	187.1330, 92.6700, -49.5220

Conversions

Conversions Part 2

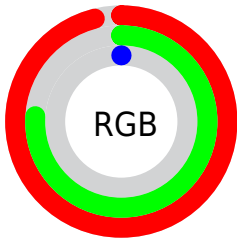
Format	Color
RYB	64, 245, 0
Decimal	16105984
CIELab	80.74, 4.55, 82.37
CIELCh	81, 82.494, 86.835
Yxy	57.9961, 0.4625, 0.4710
Android (android.graphics.Color)	4294296064 (0xFFFF5C200)
YUV	187.1330, -92.2566, 50.7494
Hunter-Lab	76.1552, 0.2122, 46.9336

Details

The Yxy color **57.9961, 0.4625, 0.4710** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.9609, 0.1552, 0.0787**, and the grayscale version is **50.2676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2713, 0.4074, 0.4775**, and **29.1170, 0.4667, 0.4677** is the 20% darker color. If you saturate the color by 10%, you get **57.9992, 0.4625, 0.4710**, and if you desaturate by 10%, it is **60.3768, 0.4548, 0.4712**.

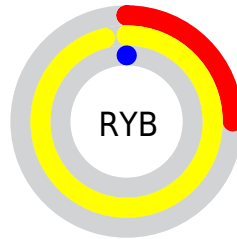
Distribution



Red (96%)

Green (76%)

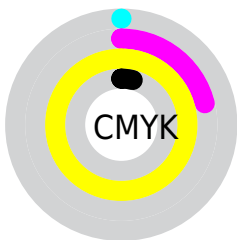
Blue (0%)



Red (25%)

Yellow (96%)

Blue (0%)

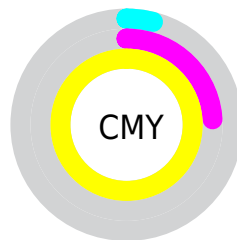


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9961, 0.4625, 0.4710 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 57.9961, 0.4625, 0.4710 by changing the saturation by 10% instead.


 57.9961, 0.4625,
0.4710


 57.9961, 0.4625,
0.4710


417.1714, 0.4002,
0.4140

 41.8055, 0.4729,
0.4798

 101.9172, 0.4437,
0.4543


 28.9490, 0.4833,
0.4881


 130.4165, 0.4354,
0.4469

 19.0423, 0.4944,
0.4963


 163.7874, 0.4280,
0.4400

 11.7008, 0.5011,
0.4989

 202.4145, 0.4213,
0.4338

 6.5403, 0.5041,
0.4959

 246.6820, 0.4152,
0.4281

 3.1763, 0.5086,
0.4914

 296.9744, 0.4097,

 1.2245, 0.5164,

0.4230

0.4836

353.6761, 0.4047,
0.4183

■ 0.0815, 0.6982,
0.3018

■ 0.0000, 0.0000,
0.0000

■ 57.9961, 0.4625,
0.4710

■ 57.9961, 0.4625,
0.4710

■ 57.9992, 0.4625,
0.4710

■ 60.3768, 0.4548,
0.4712

■ 62.9187, 0.4445,
0.4672

■ 65.6523, 0.4312,
0.4584

■ 68.5943, 0.4156,
0.4453

■ 71.7588, 0.3984,
0.4288

■ 75.1582, 0.3804,
0.4099

■ 78.8037, 0.3624,
0.3897

■ 82.7056, 0.3448,
0.3691

■ 86.8734, 0.3282,
0.3486

Harmonies

Analogous

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



57.9961, 0.5148, 0.3980



57.9961, 0.4625, 0.4710



57.9961, 0.3763, 0.5242

Triad

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



57.9961, 0.4625, 0.4710



57.9961, 0.1506, 0.2838



57.9961, 0.3177, 0.2110

Complementary

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



57.9961, 0.4625, 0.4710



8.9609, 0.1552, 0.0787

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.



57.9961, 0.2238, 0.1822



57.9961, 0.4625, 0.4710



57.9961, 0.1418, 0.2104

Square

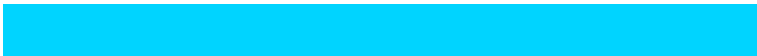
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.9961, 0.4625, 0.4710



57.9961, 0.1970, 0.4011



57.9961, 0.1657, 0.1802



57.9961, 0.4281, 0.2623

Rectangle

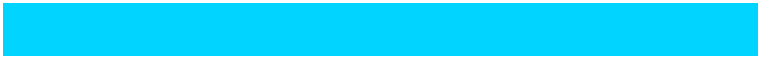
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.9961, 0.4625, 0.4710



57.9961, 0.3116, 0.5233



57.9961, 0.1657, 0.1802



57.9961, 0.2829, 0.1986

Sweetspot

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



57.9992, 0.4625, 0.4710



86.2714, 0.3625, 0.3899



19.6716, 0.6067, 0.3116



18.0976, 0.3701, 0.3985



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.



57.9992, 0.4625, 0.4710



63.4620, 0.4626, 0.4709



74.4915, 0.3692, 0.5450



18.6935, 0.3274, 0.3476



31.4497, 0.4616, 0.4717



2.9078, 0.4553, 0.4767

Inverse Universe

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



8.9609, 0.1552, 0.0787



9.7738, 0.1551, 0.0785



7.8736, 0.1667, 0.0692



16.4855, 0.2979, 0.3097



4.9863, 0.1558, 0.0810



0.5802, 0.1619, 0.1027

Previews

White Background



This preview shows how the Yxy color 57.9961, 0.4625, 0.4710 looks on a white background.

Color Contrast Check

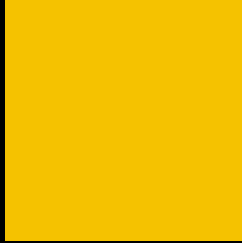
Large Text (above 18pt) WCAG AA × Fail

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 57.9961, 0.4625, 0.4710 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 57.9961, 0.4625, 0.4710

Background



This preview shows how black text looks on a background with the Yxy color 57.9961, 0.4625, 0.4710.



This preview shows how white text looks on a background with the Yxy color 57.9961, 0.4625, 0.4710.

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

57.9961, 0.4625, 0.4710

Protanopia

57.9662, 0.4395, 0.4870

Deuteranopia

57.9322, 0.4719, 0.4605



Tritanopia

57.7976, 0.3663, 0.3146

Trichromacy



Original Color

57.9961, 0.4625, 0.4710

Protanomaly

57.7271, 0.4484, 0.4808

Deuteranomaly

57.7927, 0.4692, 0.4637

Tritanomaly

56.6372, 0.4221, 0.3938

Monochromacy



Original Color

57.9961, 0.4625, 0.4710

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.5687, 0.3845, 0.4152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9961, 0.4625, 0.4710 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(245, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 194, 0)  
}
```

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(245, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 194, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.9961, 0.4625, 0.4710 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(245, 194, 0) }
```

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

```
.border{ border-color:rgb(245, 194, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 194, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 194,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9961, 0.4625, 0.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 194, 0) }
```

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

```
.background{ background-color: rgb(245,  
194, 0) }
```

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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