

Converting Colors

Yxy(58.1942, 0.4561, 0.4760)

Have a look what the booklet for
Yxy(58.1942, 0.4561, 0.4760)
contains.

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Color

Yxy(58.0051, 0.4566, 0.4757)

Conversions

Conversions Part 1

Format	Color
Hex	F0C400
RGB	240, 196, 0
RGB Percent	94%, 77%, 0%
CMY	0.0588, 0.2314, 1.0000
CMYK	0.00, 0.18, 1.00, 0.06
HSL	49°, 100%, 47%
HSV	49°, 100%, 94%
XYZ	55.6761, 58.0051, 8.2551
YIQ	186.8120, 89.1400, -51.6280

Conversions

Conversions Part 2

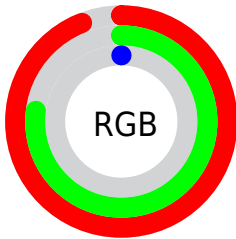
Format	Color
R_{YB}	54, 240, 0
Decimal	15778816
CIE _{Lab}	80.74, 1.37, 82.15
CIE _{LCh}	81, 82.159, 89.047
Yxy	58.0051, 0.4566, 0.4757
Android (android.graphics.Color)	4293968896 (0xFFFF0C400)
YUV	186.8120, -92.0983, 46.6459
Hunter-Lab	76.1611, -2.7928, 46.8863

Details

The Yxy color **58.0051, 0.4566, 0.4757** 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 **8.0933, 0.1542, 0.0750**, and the grayscale version is **50.0767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5367, 0.4059, 0.4783**, and **29.2286, 0.4599, 0.4731** is the 20% darker color. If you saturate the color by 10%, you get **58.0084, 0.4566, 0.4757**, and if you desaturate by 10%, it is **60.0888, 0.4497, 0.4754**.

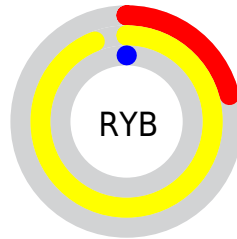
Distribution



Red (94%)

Green (77%)

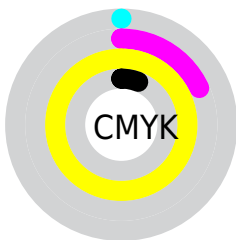
Blue (0%)



Red (21%)

Yellow (94%)

Blue (0%)

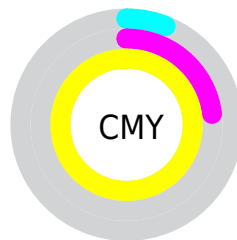


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0051, 0.4566, 0.4757 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 58.0051, 0.4566, 0.4757 by changing the saturation by 10% instead.

 58.0051, 0.4566,
0.4757


 58.0051, 0.4566,
0.4757

417.2049, 0.3972,
0.4158


 41.8127, 0.4663,
0.4853


 101.9303, 0.4388,
0.4579

 28.9547, 0.4760,
0.4946


 130.4319, 0.4309,
0.4500


 19.0466, 0.4860,
0.5041


 163.8054, 0.4238,
0.4428

 11.7039, 0.4915,
0.5085

 202.4352, 0.4174,
0.4363

 6.5424, 0.4924,
0.5076

 246.7056, 0.4116,
0.4304

 3.1776, 0.4937,
0.5063

 297.0011, 0.4063,

 1.2252, 0.4961,

0.4251

0.5039

353.7061, 0.4015,
0.4202

■ 0.0821, 0.5757,
0.4243

■ 0.0000, 0.0000,
0.0000

■ 58.0051, 0.4566,
0.4757

■ 58.0051, 0.4566,
0.4757

■ 58.0084, 0.4566,
0.4757

■ 60.0888, 0.4497,
0.4754

■ 62.3093, 0.4403,
0.4709

■ 64.6962, 0.4279,
0.4617

■ 67.2648, 0.4132,
0.4483

■ 70.0285, 0.3967,
0.4314

■ 72.9988, 0.3794,
0.4121

■ 76.1861, 0.3618,
0.3914

■ 79.6001, 0.3446,
0.3702

■ 83.2495, 0.3281,
0.3492

Harmonies

Analogous

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



58.0051, 0.5121, 0.4033



58.0051, 0.4566, 0.4757



58.0051, 0.3692, 0.5252

Triad

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



58.0051, 0.4566, 0.4757



58.0051, 0.1493, 0.2769



58.0051, 0.3257, 0.2145

Complementary

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



58.0051, 0.4566, 0.4757



8.0933, 0.1542, 0.0750

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.



58.0051, 0.2299, 0.1839



58.0051, 0.4566, 0.4757



58.0051, 0.1430, 0.2073

Square

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



58.0051, 0.4566, 0.4757



58.0051, 0.1927, 0.3915



58.0051, 0.1692, 0.1798



58.0051, 0.4352, 0.2670

Rectangle

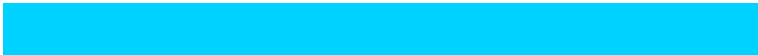
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.0051, 0.4566, 0.4757



58.0051, 0.3046, 0.5197



58.0051, 0.1692, 0.1798



58.0051, 0.2904, 0.2015

Sweetspot

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



58.0084, 0.4566, 0.4757



87.3900, 0.3620, 0.3916



18.7399, 0.6109, 0.3139



18.3675, 0.3694, 0.4005



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.



58.0084, 0.4566, 0.4757



66.4930, 0.4567, 0.4756



70.6498, 0.3665, 0.5472



17.9374, 0.3273, 0.3481



31.9342, 0.4559, 0.4762



2.7832, 0.4502, 0.4807

Inverse Universe

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



8.0933, 0.1542, 0.0750



9.2332, 0.1541, 0.0747



7.6695, 0.1688, 0.0703



15.6974, 0.2980, 0.3091



4.5687, 0.1548, 0.0771



0.5098, 0.1609, 0.0991

Previews

White Background



This preview shows how the Yxy color 58.0051, 0.4566, 0.4757 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 58.0051, 0.4566, 0.4757 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 58.0051, 0.4566, 0.4757

Background



This preview shows how black text looks on a background with the Yxy color 58.0051, 0.4566, 0.4757.



This preview shows how white text looks on a background with the Yxy color 58.0051, 0.4566, 0.4757.

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

58.0051, 0.4566, 0.4757

Protanopia

57.9640, 0.4396, 0.4871

Deuteranopia

57.9448, 0.4714, 0.4598



Tritanopia

57.7654, 0.3598, 0.3143

Trichromacy



Original Color

58.0051, 0.4566, 0.4757

Protanomaly

57.8489, 0.4459, 0.4829

Deuteranomaly

57.8656, 0.4664, 0.4655

Tritanomaly

56.6141, 0.4151, 0.3951

Monochromacy



Original Color

58.0051, 0.4566, 0.4757

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.2806, 0.3827, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0051, 0.4566, 0.4757 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(240, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 196, 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(240, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 196, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.0051, 0.4566, 0.4757 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(240, 196, 0) }
```

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

```
.border{ border-color:rgb(240, 196, 0) }
```

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

Here you see how a box with a 4 pixel rgb(240, 196, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 196,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0051, 0.4566, 0.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 196, 0) }
```

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

```
.background{ background-color: rgb(240,  
196, 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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