

Converting Colors

$Y_{xy}(59.7724, 0.4605, 0.4725)$

Have a look what the booklet for
Yxy(59.7724, 0.4605, 0.4725)
contains.

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Color

Yxy(59.7067, 0.4611, 0.4721)

Conversions

Conversions Part 1

Format	Color
Hex	F7C500
RGB	247, 197, 0
RGB Percent	97%, 77%, 0%
CMY	0.0315, 0.2274, 1.0000
CMYK	0.00, 0.20, 1.00, 0.03
HSL	48°, 100%, 48%
HSV	48°, 100%, 97%
XYZ	58.3155, 59.7067, 8.4482
YIQ	189.4920, 93.0370, -50.6670

Conversions

Conversions Part 2

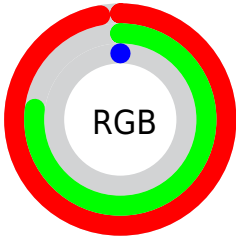
Format	Color
RYB	63, 247, 0
Decimal	16237824
CIELab	81.68, 3.84, 83.11
CIELCh	82, 83.197, 87.356
Yxy	59.7067, 0.4611, 0.4721
Android (android.graphics.Color)	4294427904 (0xFFFF7C500)
YUV	189.4920, -93.4196, 50.4345
Hunter-Lab	77.2701, -0.5093, 47.6067

Details

The Yxy color **59.7067, 0.4611, 0.4721** 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 **8.9902, 0.1549, 0.0777**, and the grayscale version is **51.6931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1664, 0.4053, 0.4789**, and **30.2608, 0.4648, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **59.7098, 0.4611, 0.4721**, and if you desaturate by 10%, it is **62.0851, 0.4537, 0.4722**.

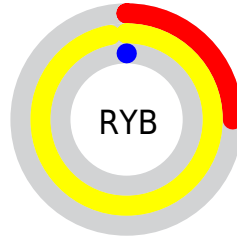
Distribution



Red (97%)

Green (77%)

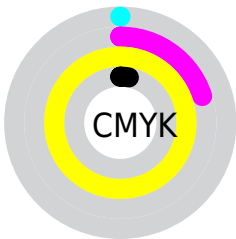
Blue (0%)



Red (25%)

Yellow (97%)

Blue (0%)

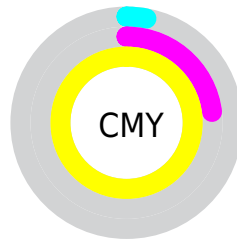


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7067, 0.4611, 0.4721 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 59.7067, 0.4611, 0.4721 by changing the saturation by 10% instead.


 59.7067, 0.4611,
0.4721


 59.7067, 0.4611,
0.4721


423.5158, 0.3999,
0.4148


 43.1823, 0.4712,
0.4810


 104.4041, 0.4427,
0.4553

 30.0282, 0.4814,
0.4895


 133.3458, 0.4346,
0.4478


 19.8600, 0.4919,
0.4976


 167.1955, 0.4273,
0.4409

 12.2933, 0.4988,
0.5012

 206.3374, 0.4207,
0.4347

 6.9437, 0.5012,
0.4988

 251.1560, 0.4147,
0.4290

 3.4269, 0.5048,
0.4952

 302.0357, 0.4093,

 1.3585, 0.5110,

0.4238

0.4890

359.3608, 0.4043,
0.4191

■ 0.1858, 0.5926,
0.4074

■ 0.0000, 0.0000,
0.0000

■ 59.7067, 0.4611,
0.4721

■ 59.7067, 0.4611,
0.4721

■ 59.7098, 0.4611,
0.4721

■ 62.0851, 0.4537,
0.4722

■ 64.6236, 0.4435,
0.4681

■ 67.3531, 0.4305,
0.4593

■ 70.2904, 0.4151,
0.4461

■ 73.4499, 0.3981,
0.4295

■ 76.8442, 0.3802,
0.4105

■ 80.4848, 0.3623,
0.3902

■ 84.3819, 0.3448,
0.3694

■ 88.5452, 0.3282,
0.3488

Harmonies

Analogous

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



59.7067, 0.5142, 0.3992



59.7067, 0.4611, 0.4721



59.7067, 0.3746, 0.5244

Triad

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



59.7067, 0.4611, 0.4721



59.7067, 0.1503, 0.2822



59.7067, 0.3195, 0.2119

Complementary

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



59.7067, 0.4611, 0.4721



8.9902, 0.1549, 0.0777

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.



59.7067, 0.2253, 0.1826



59.7067, 0.4611, 0.4721



59.7067, 0.1421, 0.2097

Square

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



59.7067, 0.4611, 0.4721



59.7067, 0.1960, 0.3988



59.7067, 0.1666, 0.1801



59.7067, 0.4298, 0.2634

Rectangle

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



59.7067, 0.4611, 0.4721



59.7067, 0.3100, 0.5225



59.7067, 0.1666, 0.1801



59.7067, 0.2847, 0.1993

Sweetspot

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



59.7098, 0.4611, 0.4721



86.5372, 0.3624, 0.3903



20.0301, 0.6068, 0.3116



18.1616, 0.3699, 0.3990



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.



59.7098, 0.4611, 0.4721



64.1739, 0.4612, 0.4720



75.8485, 0.3692, 0.5450



18.7109, 0.3274, 0.3478



31.7955, 0.4603, 0.4728



2.9353, 0.4541, 0.4776

Inverse Universe

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



8.9902, 0.1549, 0.0777



9.6380, 0.1549, 0.0775



8.0146, 0.1667, 0.0692



16.4694, 0.2979, 0.3095



4.9154, 0.1556, 0.0800



0.5718, 0.1615, 0.1015

Previews

White Background



This preview shows how the Yxy color 59.7067, 0.4611, 0.4721 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 59.7067, 0.4611, 0.4721 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 59.7067, 0.4611, 0.4721

Background



This preview shows how black text looks on a background with the Yxy color 59.7067, 0.4611, 0.4721.



This preview shows how white text looks on a background with the Yxy color 59.7067, 0.4611, 0.4721.

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

59.7067, 0.4611, 0.4721

Protanopia

59.8679, 0.4392, 0.4873

Deuteranopia

59.6302, 0.4618, 0.4523



Tritanopia

59.5722, 0.3627, 0.3156

Trichromacy



Original Color

59.7067, 0.4611, 0.4721

Protanomaly

59.6215, 0.4480, 0.4811

Deuteranomaly

59.3833, 0.4636, 0.4612

Tritanomaly

58.5713, 0.4191, 0.3956

Monochromacy



Original Color

59.7067, 0.4611, 0.4721

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.7570, 0.3845, 0.4156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7067, 0.4611, 0.4721 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(247, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 197, 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(247, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 197, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.7067, 0.4611, 0.4721 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(247, 197, 0) }
```

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

```
.border{ border-color:rgb(247, 197, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 197, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 197,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7067, 0.4611, 0.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 197, 0) }
```

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

```
.background{ background-color: rgb(247,  
197, 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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