

Converting Colors

Yxy(57.1102, 0.4612, 0.4720)

Have a look what the booklet for
Yxy(57.1102, 0.4612, 0.4720)
contains.

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Color

Yxy(57.0172, 0.4611, 0.4721)

Conversions

Conversions Part 1

Format	Color
Hex	F2C100
RGB	242, 193, 0
RGB Percent	95%, 76%, 0%
CMY	0.0510, 0.2431, 1.0000
CMYK	0.00, 0.20, 1.00, 0.05
HSL	48°, 100%, 47%
HSV	48°, 100%, 95%
XYZ	55.6887, 57.0172, 8.0677
YIQ	185.6490, 91.1570, -49.6350

Conversions

Conversions Part 2

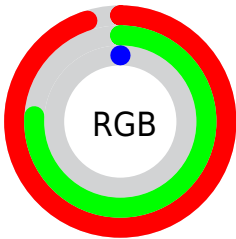
Format	Color
RYB	61, 242, 0
Decimal	15909120
CIELab	80.19, 3.78, 81.84
CIELCh	80, 81.928, 87.356
Yxy	57.0172, 0.4611, 0.4721
Android (android.graphics.Color)	4294099200 (0xFFFF2C100)
YUV	185.6490, -91.5250, 49.4198
Hunter-Lab	75.5097, -0.4977, 46.5221

Details

The Yxy color **57.0172, 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 **8.6075, 0.1550, 0.0779**, and the grayscale version is **49.3819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6515, 0.4080, 0.4768**, and **28.5799, 0.4659, 0.4683** is the 20% darker color. If you saturate the color by 10%, you get **57.0202, 0.4611, 0.4721**, and if you desaturate by 10%, it is **59.2895, 0.4536, 0.4722**.

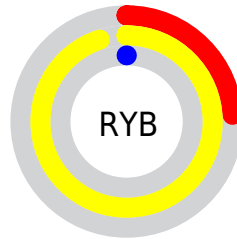
Distribution



Red (95%)

Green (76%)

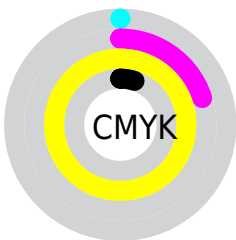
Blue (0%)



Red (24%)

Yellow (95%)

Blue (0%)

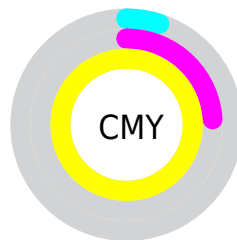


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0172, 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 57.0172, 0.4611, 0.4721 by changing the saturation by 10% instead.

 57.0172, 0.4611,
0.4721

 57.0172, 0.4611,
0.4721


413.5138, 0.3993,
0.4142


 41.0191, 0.4714,
0.4811

 100.4903, 0.4424,
0.4551


 28.3340, 0.4817,
0.4897


 128.7340, 0.4342,
0.4475


 18.5776, 0.4928,
0.4984


 161.8284, 0.4269,
0.4405

 11.3654, 0.4989,
0.5011

 200.1578, 0.4202,
0.4342

 6.3132, 0.5014,
0.4986

 244.1066, 0.4142,
0.4285

 3.0364, 0.5053,
0.4947

 294.0593, 0.4087,

 1.1508, 0.5120,

0.4233

0.4880

350.4002, 0.4038,
0.4185

■ 0.0210, 0.8426,
0.1574

■ 0.0000, 0.0000,
0.0000

■ 57.0172, 0.4611,
0.4721

■ 57.0172, 0.4611,
0.4721

■ 57.0202, 0.4611,
0.4721

■ 59.2895, 0.4536,
0.4722

■ 61.7144, 0.4434,
0.4680

■ 64.3216, 0.4304,
0.4592

■ 67.1271, 0.4150,
0.4460

■ 70.1446, 0.3980,
0.4294

■ 73.3861, 0.3801,
0.4104

■ 76.8623, 0.3622,
0.3901

■ 80.5833, 0.3448,
0.3693

■ 84.5581, 0.3282,
0.3488

Harmonies

Analogous

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



57.0172, 0.5142, 0.3992



57.0172, 0.4611, 0.4721



57.0172, 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.



57.0172, 0.4611, 0.4721



57.0172, 0.1503, 0.2822



57.0172, 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.



57.0172, 0.4611, 0.4721



8.6075, 0.1550, 0.0779

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.



57.0172, 0.2253, 0.1826



57.0172, 0.4611, 0.4721



57.0172, 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.



57.0172, 0.4611, 0.4721



57.0172, 0.1960, 0.3988



57.0172, 0.1666, 0.1801



57.0172, 0.4298, 0.2634

Rectangle

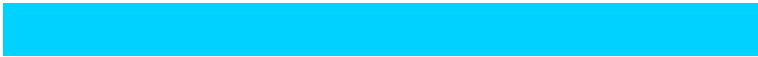
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.0172, 0.4611, 0.4721



57.0172, 0.3100, 0.5225



57.0172, 0.1666, 0.1801



57.0172, 0.2847, 0.1993

Sweetspot

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



57.0202, 0.4611, 0.4721



86.5272, 0.3624, 0.3903



19.1298, 0.6066, 0.3115



18.1592, 0.3699, 0.3989



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.



57.0202, 0.4611, 0.4721



64.1469, 0.4612, 0.4720



72.4405, 0.3693, 0.5450



17.8837, 0.3273, 0.3477



30.8305, 0.4603, 0.4727



2.7007, 0.4538, 0.4778

Inverse Universe

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



8.6075, 0.1550, 0.0779



9.6431, 0.1549, 0.0775



7.6605, 0.1668, 0.0692



15.7470, 0.2980, 0.3096



4.7779, 0.1556, 0.0801



0.5342, 0.1620, 0.1030

Previews

White Background



This preview shows how the Yxy color 57.0172, 0.4611, 0.4721 looks on a white background.

Color Contrast Check

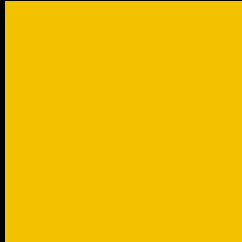
Large Text (above 18pt) WCAG AA × Fail

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 57.0172, 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 57.0172, 0.4611, 0.4721

Background



This preview shows how black text looks on a background with the Yxy color 57.0172, 0.4611, 0.4721.



This preview shows how white text looks on a background with the Yxy color 57.0172, 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

57.0172, 0.4611, 0.4721

Protanopia

57.3403, 0.4396, 0.4869

Deuteranopia

57.1280, 0.4713, 0.4607



Tritanopia

56.7859, 0.3648, 0.3144

Trichromacy



Original Color

57.0172, 0.4611, 0.4721

Protanomaly

56.9368, 0.4477, 0.4813

Deuteranomaly

56.8053, 0.4678, 0.4648

Tritanomaly

55.6675, 0.4201, 0.3936

Monochromacy



Original Color

57.0172, 0.4611, 0.4721

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.8250, 0.3839, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0172, 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(242, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 193, 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(242, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 193, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.0172, 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(242, 193, 0) }
```

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

```
.border{ border-color:rgb(242, 193, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 193,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0172, 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(242, 193, 0) }
```

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

```
.background{ background-color: rgb(242,  
193, 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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