

Converting Colors

Yxy(57.2499, 0.4862, 0.4985)

Have a look what the booklet for
Yxy(57.2499, 0.4862, 0.4985)
contains.

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Color

Yxy(57.7328, 0.4642, 0.4696)

Conversions

Conversions Part 1

Format	Color
Hex	F6C100
RGB	246, 193, 0
RGB Percent	96%, 76%, 0%
CMY	0.0354, 0.2431, 0.9995
CMYK	0.00, 0.22, 1.00, 0.04
HSL	47°, 100%, 48%
HSV	47°, 100%, 96%
XYZ	57.0689, 57.7328, 8.1387
YIQ	186.8450, 93.5410, -48.7870

Conversions

Conversions Part 2

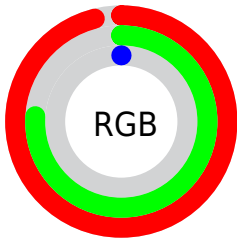
Format	Color
RYB	68, 246, 0
Decimal	16171264
CIELab	80.59, 5.48, 82.29
CIElCh	81, 82.469, 86.190
Yxy	57.7328, 0.4642, 0.4696
Android (android.graphics.Color)	4294361344 (0xFFFF6C100)
YUV	186.8450, -92.1146, 51.8789
Hunter-Lab	75.9821, 1.0998, 46.8368

Details

The Yxy color **57.7328, 0.4642, 0.4696** 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 **9.2061, 0.1556, 0.0800**, and the grayscale version is **50.1010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6515, 0.4080, 0.4768**, and **28.9465, 0.4690, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **57.7234, 0.4642, 0.4696**, and if you desaturate by 10%, it is **60.1892, 0.4563, 0.4700**.

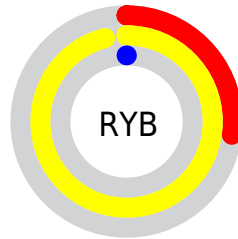
Distribution



Red (96%)

Green (76%)

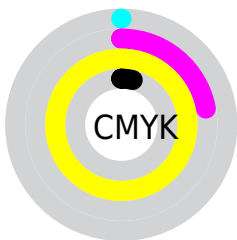
Blue (0%)



Red (27%)

Yellow (96%)

Blue (0%)

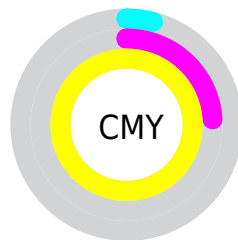


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7328, 0.4642, 0.4696 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 57.7328, 0.4642, 0.4696 by changing the saturation by 10% instead.

 57.7328, 0.4642,
0.4696

 57.7328, 0.4642,
0.4696


416.1896, 0.4010,
0.4134


 41.5939, 0.4748,
0.4781


 101.5337, 0.4451,
0.4533

 28.7834, 0.4855,
0.4862


 129.9644, 0.4367,
0.4459


 18.9170, 0.4970,
0.4940


 163.2611, 0.4292,
0.4392


 11.6103, 0.5040,
0.4960

 201.8083, 0.4224,
0.4330

 6.4789, 0.5075,
0.4925

 245.9904, 0.4162,
0.4274

 3.1384, 0.5129,
0.4871

 296.1917, 0.4107,

 1.2044, 0.5223,

0.4223

0.4777

352.7966, 0.4056,
0.4177

■ 0.0653, 0.7499,
0.2501

■ 0.0000, 0.0000,
0.0000

■ 57.7328, 0.4642,
0.4696

■ 57.7328, 0.4642,
0.4696

■ 57.7234, 0.4642,
0.4696

■ 60.1892, 0.4563,
0.4700

■ 62.8143, 0.4456,
0.4661

■ 65.6384, 0.4321,
0.4574

■ 68.6784, 0.4162,
0.4444

■ 71.9486, 0.3988,
0.4280

■ 75.4616, 0.3806,
0.4092

■ 79.2289, 0.3624,
0.3891

■ 83.2608, 0.3448,
0.3686

■ 87.5671, 0.3281,
0.3484

Harmonies

Analogous

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



57.7328, 0.5156, 0.3964



57.7328, 0.4642, 0.4696



57.7328, 0.3784, 0.5238

Triad

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



57.7328, 0.4642, 0.4696



57.7328, 0.1510, 0.2858



57.7328, 0.3153, 0.2100

Complementary

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



57.7328, 0.4642, 0.4696



9.2061, 0.1556, 0.0800

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.



57.7328, 0.2221, 0.1817



57.7328, 0.4642, 0.4696



57.7328, 0.1415, 0.2114

Square

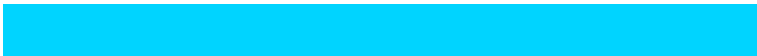
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.7328, 0.4642, 0.4696



57.7328, 0.1983, 0.4039



57.7328, 0.1647, 0.1803



57.7328, 0.4260, 0.2609

Rectangle

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



57.7328, 0.4642, 0.4696



57.7328, 0.3137, 0.5243



57.7328, 0.1647, 0.1803



57.7328, 0.2807, 0.1978

Sweetspot

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



57.7357, 0.4642, 0.4696



85.9484, 0.3626, 0.3893



19.8508, 0.6066, 0.3116



18.0197, 0.3703, 0.3979



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.



57.7357, 0.4642, 0.4696



62.6038, 0.4643, 0.4695



75.1604, 0.3692, 0.5450



18.6723, 0.3274, 0.3475



31.0328, 0.4633, 0.4703



2.8745, 0.4567, 0.4756

Inverse Universe

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



9.2061, 0.1556, 0.0800



9.9451, 0.1555, 0.0796



7.9487, 0.1668, 0.0693



16.5052, 0.2979, 0.3099



5.0755, 0.1562, 0.0822



0.5907, 0.1623, 0.1042

Previews

White Background



This preview shows how the Yxy color 57.7328, 0.4642, 0.4696 looks on a white background.

Color Contrast Check

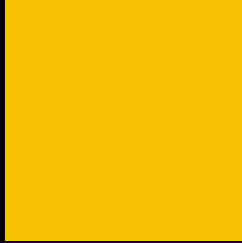
Large Text (above 18pt) WCAG AA × Fail

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 57.7328, 0.4642, 0.4696 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 57.7328, 0.4642, 0.4696

Background



This preview shows how black text looks on a background with the Yxy color 57.7328, 0.4642, 0.4696.



This preview shows how white text looks on a background with the Yxy color 57.7328, 0.4642, 0.4696.

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

57.7328, 0.4642, 0.4696

Protanopia

57.9686, 0.4394, 0.4869

Deuteranopia

57.7413, 0.4713, 0.4612



Tritanopia

57.7528, 0.3671, 0.3156

Trichromacy



Original Color

57.7328, 0.4642, 0.4696

Protanomaly

57.7293, 0.4483, 0.4807

Deuteranomaly

57.6053, 0.4685, 0.4645

Tritanomaly

56.8234, 0.4230, 0.3936

Monochromacy



Original Color

57.7328, 0.4642, 0.4696

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.1370, 0.3850, 0.4141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7328, 0.4642, 0.4696 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(246, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 193, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.7328, 0.4642, 0.4696 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(246, 193, 0) }
```

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

```
.border{ border-color:rgb(246, 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(246, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 193,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7328, 0.4642, 0.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 193, 0) }
```

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

```
.background{ background-color: rgb(246,  
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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