

Converting Colors

Yxy(59.5420, 0.4709, 0.4643)

Have a look what the booklet for
Yxy(59.5420, 0.4709, 0.4643)
contains.

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Color

Yxy(59.3999, 0.4712, 0.4641)

Conversions

Conversions Part 1

Format	Color
Hex	FFC100
RGB	255, 193, 0
RGB Percent	100%, 76%, 0%
CMY	0.0000, 0.2431, 1.0000
CMYK	0.00, 0.24, 1.00, 0.00
HSL	45°, 100%, 50%
HSV	45°, 100%, 100%
XYZ	60.3086, 59.3999, 8.2809
YIQ	189.5360, 98.9050, -46.8790

Conversions

Conversions Part 2

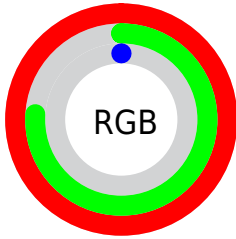
Format	Color
R _Y B	82, 255, 0
Decimal	16761088
CIE Lab	81.51, 9.35, 83.39
CIE LCh	82, 83.908, 83.605
Yxy	59.3999, 0.4712, 0.4641
Android (android.graphics.Color)	4294951168 (0xFFFC100)
YUV	189.5360, -93.4412, 57.4119
Hunter-Lab	77.0713, 4.8021, 47.5795

Details

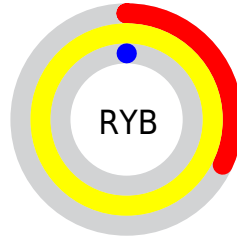
The Yxy color **59.3999, 0.4712, 0.4641** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **10.6639, 0.1568, 0.0846**, and the grayscale version is **51.7188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6672, 0.4077, 0.4762**, and **30.0936, 0.4781, 0.4586** is the 20% darker color. If you saturate the color by 10%, you get **59.4033, 0.4712, 0.4641**, and if you desaturate by 10%, it is **62.2743, 0.4623, 0.4652**.

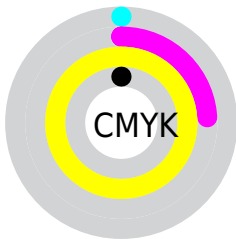
Distribution



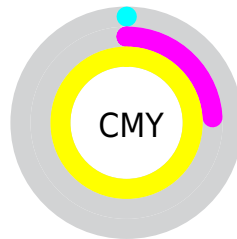
- Red (100%)
- Green (76%)
- Blue (0%)



- Red (32%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3999, 0.4712, 0.4641 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 59.3999, 0.4712, 0.4641 by changing the saturation by 10% instead.

 59.3999, 0.4712,
0.4641


 59.3999, 0.4712,
0.4641


422.3823, 0.4051,
0.4117


 42.9351, 0.4824,
0.4716

 103.9587, 0.4511,
0.4493

 29.8342, 0.4939,
0.4784


 132.8214, 0.4423,
0.4424


 19.7128, 0.5062,
0.4844


 166.5856, 0.4345,
0.4361

 12.1864, 0.5151,
0.4849

 205.6357, 0.4274,
0.4304

 6.8708, 0.5208,
0.4792

 250.3560, 0.4209,
0.4251

 3.3814, 0.5294,
0.4706

 301.1309, 0.4151,

 1.3340, 0.5441,

0.4202

358.3449, 0.4099,
0.4158

0.4559

■ 0.1673, 0.6983,
0.3017

■ 0.0000, 0.0000,
0.0000

■ 59.3999, 0.4712,
0.4641

■ 59.3999, 0.4712,
0.4641

■ 59.4033, 0.4712,
0.4641

■ 62.2743, 0.4623,
0.4652

■ 65.3559, 0.4506,
0.4619

■ 68.6781, 0.4360,
0.4536

■ 72.2601, 0.4191,
0.4411

■ 76.1178, 0.4008,
0.4252

■ 80.2655, 0.3819,
0.4069

■ 84.7159, 0.3632,
0.3874

■ 89.4809, 0.3452,
0.3675

■ 94.5714, 0.3283,
0.3478

Harmonies

Analogous

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



59.3999, 0.5189, 0.3902



59.3999, 0.4712, 0.4641



59.3999, 0.3867, 0.5224

Triad

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



59.3999, 0.4712, 0.4641



59.3999, 0.1525, 0.2942



59.3999, 0.3060, 0.2059

Complementary

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



59.3999, 0.4712, 0.4641



10.6639, 0.1568, 0.0846

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.



59.3999, 0.2150, 0.1796



59.3999, 0.4712, 0.4641



59.3999, 0.1400, 0.2151

Square

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



59.3999, 0.4712, 0.4641



59.3999, 0.2034, 0.4155



59.3999, 0.1606, 0.1807



59.3999, 0.4177, 0.2553

Rectangle

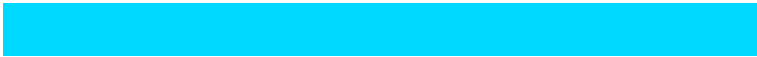
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.3999, 0.4712, 0.4641



59.3999, 0.3219, 0.5283



59.3999, 0.1606, 0.1807



59.3999, 0.2719, 0.1943

Sweetspot

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



59.4033, 0.4712, 0.4641



84.7178, 0.3632, 0.3874



21.6268, 0.5976, 0.3065



17.7234, 0.3710, 0.3957



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.



59.4033, 0.4712, 0.4641



59.4046, 0.4712, 0.4641



82.6269, 0.3749, 0.5405



20.2985, 0.3275, 0.3469



31.2857, 0.4701, 0.4649



3.2163, 0.4631, 0.4705

Inverse Universe

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



10.6639, 0.1568, 0.0846



10.6641, 0.1568, 0.0846



8.3014, 0.1630, 0.0672



18.0947, 0.2979, 0.3105



5.7653, 0.1575, 0.0871



0.7232, 0.1633, 0.1077

Previews

White Background



This preview shows how the Yxy color 59.3999, 0.4712, 0.4641 looks on a white background.

Color Contrast Check

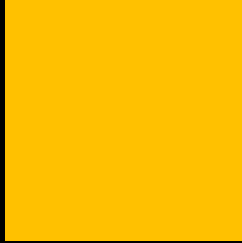
Large Text (above 18pt) WCAG AA × Fail

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 59.3999, 0.4712, 0.4641 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 59.3999, 0.4712, 0.4641

Background



This preview shows how black text looks on a background with the Yxy color 59.3999, 0.4712, 0.4641.



This preview shows how white text looks on a background with the Yxy color 59.3999, 0.4712, 0.4641.

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

59.3999, 0.4712, 0.4641

Protanopia

59.4016, 0.4398, 0.4861

Deuteranopia

59.5818, 0.4638, 0.4547



Tritanopia

59.4811, 0.3644, 0.3177

Trichromacy



Original Color

59.3999, 0.4712, 0.4641

Protanomaly

59.0437, 0.4513, 0.4781

Deuteranomaly

59.4838, 0.4677, 0.4597

Tritanomaly

58.2559, 0.4235, 0.3938

Monochromacy



Original Color

59.3999, 0.4712, 0.4641

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.9382, 0.3879, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3999, 0.4712, 0.4641 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(255, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.3999, 0.4712, 0.4641 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(255, 193, 0) }
```

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

```
.border{ border-color:rgb(255, 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(255, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3999, 0.4712, 0.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 0) }
```

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

```
.background{ background-color: rgb(255,  
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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