

Converting Colors

Yxy(58.7623, 0.4713, 0.4637)

Have a look what the booklet for
Yxy(58.7623, 0.4713, 0.4637)
contains.

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Color

Yxy(58.7745, 0.4712, 0.4637)

Conversions

Conversions Part 1

Format	Color
Hex	FEC002
RGB	254, 192, 2
RGB Percent	100%, 75%, 1%
CMY	0.0040, 0.2470, 0.9924
CMYK	0.00, 0.24, 0.99, 0.00
HSL	45°, 99%, 50%
HSV	45°, 99%, 100%
XYZ	59.7251, 58.7745, 8.2515
YIQ	188.8780, 97.9420, -45.9460

Conversions

Conversions Part 2

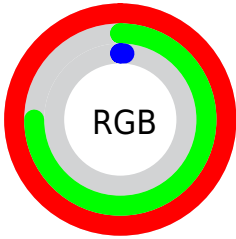
Format	Color
RYB	84, 254, 2
Decimal	16695298
CIELab	81.17, 9.44, 82.89
CIElCh	81, 83.430, 83.505
Yxy	58.7745, 0.4712, 0.4637
Android (android.graphics.Color)	4294885378 (0xFFFE002)
YUV	188.8780, -92.1309, 57.1120
Hunter-Lab	76.6645, 4.8966, 47.2837

Details

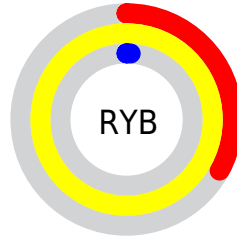
The Yxy color **58.7745, 0.4712, 0.4637** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **10.8192, 0.1574, 0.0863**, and the grayscale version is **51.3071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0507, 0.4083, 0.4756**, and **29.6717, 0.4784, 0.4583** is the 20% darker color. If you saturate the color by 10%, you get **58.5654, 0.4718, 0.4636**, and if you desaturate by 10%, it is **61.6540, 0.4621, 0.4646**.

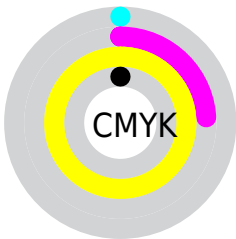
Distribution



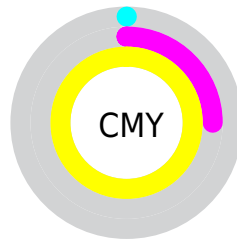
- Red (100%)
- Green (75%)
- Blue (1%)



- Red (33%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (24%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7745, 0.4712, 0.4637 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 58.7745, 0.4712, 0.4637 by changing the saturation by 10% instead.


 58.7745, 0.4712,
0.4637


 58.7745, 0.4712,
0.4637


420.0657, 0.4049,
0.4113

 42.4316, 0.4825,
0.4712


 103.0499, 0.4510,
0.4488


 29.4394, 0.4941,
0.4780


 131.7511, 0.4422,
0.4420

 19.4135, 0.5066,
0.4841


 165.3406, 0.4343,
0.4357

 11.9694, 0.5155,
0.4845

 204.2028, 0.4272,
0.4299

 6.7229, 0.5213,
0.4787

 248.7220, 0.4207,
0.4247

 3.2894, 0.5302,
0.4698

 299.2826, 0.4149,

 1.2846, 0.5453,

0.4198

0.4547

356.2691, 0.4096,
0.4154

■ 0.1292, 0.7321,
0.2679

■ 0.0000, 0.0000,
0.0000

■ 58.7745, 0.4712,
0.4637

■ 58.7745, 0.4712,
0.4637

■ 58.5654, 0.4718,
0.4636

■ 61.6540, 0.4621,
0.4646

■ 64.7456, 0.4500,
0.4610

■ 68.0798, 0.4351,
0.4524

■ 71.6750, 0.4180,
0.4396

■ 75.5470, 0.3995,
0.4235

■ 79.7098, 0.3806,
0.4052

■ 84.1760, 0.3619,
0.3857

■ 88.9574, 0.3439,
0.3658

■ 94.0648, 0.3271,
0.3463

Harmonies

Analogous

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



58.7745, 0.5185, 0.3899



58.7745, 0.4712, 0.4637



58.7745, 0.3870, 0.5219

Triad

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



58.7745, 0.4712, 0.4637



58.7745, 0.1529, 0.2946



58.7745, 0.3057, 0.2060

Complementary

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



58.7745, 0.4712, 0.4637



10.8192, 0.1574, 0.0863

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.



58.7745, 0.2150, 0.1798



58.7745, 0.4712, 0.4637



58.7745, 0.1403, 0.2155

Square

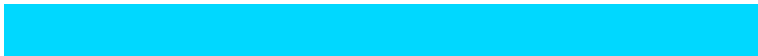
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.7745, 0.4712, 0.4637



58.7745, 0.2039, 0.4157



58.7745, 0.1607, 0.1810



58.7745, 0.4171, 0.2553

Rectangle

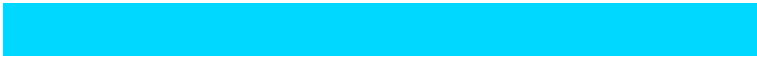
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.7745, 0.4712, 0.4637



58.7745, 0.3223, 0.5279



58.7745, 0.1607, 0.1810



58.7745, 0.2717, 0.1944

Sweetspot

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



58.7774, 0.4712, 0.4637



84.5990, 0.3633, 0.3872



21.4878, 0.5955, 0.3058



17.6948, 0.3711, 0.3955



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.



58.7774, 0.4712, 0.4637



59.1016, 0.4719, 0.4635



81.9394, 0.3751, 0.5400



20.2898, 0.3275, 0.3468



31.1290, 0.4708, 0.4644



3.2022, 0.4636, 0.4701

Inverse Universe

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



10.8192, 0.1574, 0.0863



10.7393, 0.1570, 0.0851



8.3174, 0.1637, 0.0678



18.1028, 0.2979, 0.3105



5.8062, 0.1577, 0.0876



0.7282, 0.1634, 0.1083

Previews

White Background



This preview shows how the Yxy color 58.7745, 0.4712, 0.4637 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 58.7745, 0.4712, 0.4637 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 58.7745, 0.4712, 0.4637

Background



This preview shows how black text looks on a background with the Yxy color 58.7745, 0.4712, 0.4637.



This preview shows how white text looks on a background with the Yxy color 58.7745, 0.4712, 0.4637.

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

58.7745, 0.4712, 0.4637

Protanopia

58.7667, 0.4399, 0.4860

Deuteranopia

58.5835, 0.4706, 0.4592



Tritanopia

58.6109, 0.3658, 0.3166

Trichromacy



Original Color

58.7745, 0.4712, 0.4637

Protanomaly

58.4146, 0.4513, 0.4779

Deuteranomaly

58.5561, 0.4717, 0.4607

Tritanomaly

57.8330, 0.4241, 0.3929

Monochromacy



Original Color

58.7745, 0.4712, 0.4637

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.3535, 0.3875, 0.4114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7745, 0.4712, 0.4637 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(254, 192, 2)` looks like.

```
.text, #text, p{  
    color:rgb(254, 192, 2)  
}
```

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(254, 192, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 192, 2) }
```

Border

The CSS property to change the border of an element to Yxy 58.7745, 0.4712, 0.4637 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(254, 192, 2) }
```

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

```
.border{ border-color:rgb(254, 192, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 192, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 192, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 192, 2);  
box-shadow:4px 4px 4px 4px rgb(254, 192,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7745, 0.4712, 0.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 192, 2) }
```

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

```
.background{ background-color: rgb(254,  
192, 2) }
```

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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