

Converting Colors

$Yxy(55.9056, 0.4793, 0.4576)$

Have a look what the booklet for
Yxy(55.9056, 0.4793, 0.4576)
contains.

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Color

Yxy(55.9579, 0.4792, 0.4577)

Conversions

Conversions Part 1

Format	Color
Hex	FFB900
RGB	255, 185, 0
RGB Percent	100%, 73%, 0%
CMY	0.0000, 0.2745, 0.9997
CMYK	0.00, 0.27, 1.00, 0.00
HSL	44°, 100%, 50%
HSV	44°, 100%, 100%
XYZ	58.5865, 55.9579, 7.7145
YIQ	184.8400, 101.1050, -42.6950

Conversions

Conversions Part 2

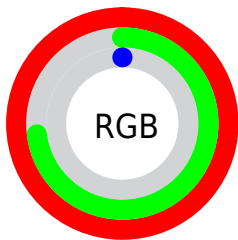
Format	Color
R _Y B	96, 255, 0
Decimal	16759040
CIE Lab	79.59, 13.50, 82.05
CIE LCh	80, 83.154, 80.658
Yxy	55.9579, 0.4792, 0.4577
Android (android.graphics.Color)	4294949120 (0xFFFFB900)
YUV	184.8400, -91.1261, 61.5303
Hunter-Lab	74.8050, 8.8905, 46.2490

Details

The Yxy color **55.9579, 0.4792, 0.4577** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **11.6061, 0.1586, 0.0909**, and the grayscale version is **48.9026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7951, 0.4133, 0.4719**, and **27.7090, 0.4879, 0.4508** is the 20% darker color. If you saturate the color by 10%, you get **55.9525, 0.4792, 0.4577**, and if you desaturate by 10%, it is **59.0347, 0.4691, 0.4595**.

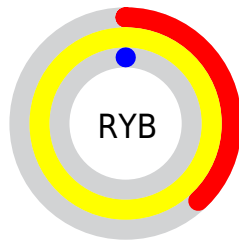
Distribution



Red (100%)

Green (73%)

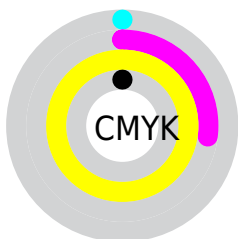
Blue (0%)



Red (38%)

Yellow (100%)

Blue (0%)

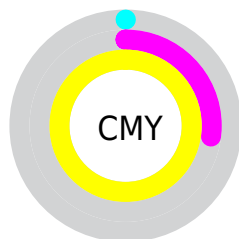


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9579, 0.4792, 0.4577 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 55.9579, 0.4792, 0.4577 by changing the saturation by 10% instead.


 55.9579, 0.4792,
0.4577


 55.9579, 0.4792,
0.4577


409.5328, 0.4084,
0.4087


 40.1692, 0.4915,
0.4643


 98.9430, 0.4574,
0.4441

 27.6705, 0.5043,
0.4697


 126.9082, 0.4480,
0.4378

 18.0774, 0.5190,
0.4747


 159.7010, 0.4396,
0.4319

 11.0056, 0.5284,
0.4716

 197.7058, 0.4320,
0.4264

 6.0706, 0.5371,
0.4629

 241.3070, 0.4252,
0.4214

 2.8880, 0.5504,
0.4496

 290.8889, 0.4190,

 1.0736, 0.5734,

0.4168

0.4266

346.8361, 0.4135,
0.4125

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9579, 0.4792,
0.4577

■ 55.9579, 0.4792,
0.4577

■ 55.9525, 0.4792,
0.4577

■ 59.0347, 0.4691,
0.4595

■ 62.3493, 0.4561,
0.4568

■ 65.9353, 0.4402,
0.4491

■ 69.8121, 0.4221,
0.4370

73.9966, 0.4028,
0.4216

78.5033, 0.3831,
0.4039

83.3458, 0.3638,
0.3851

88.5364, 0.3455,
0.3659

94.0866, 0.3284,
0.3470

Harmonies

Analogous

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



55.9579, 0.5224, 0.3830



55.9579, 0.4792, 0.4577



55.9579, 0.3963, 0.5204

Triad

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



55.9579, 0.4792, 0.4577



55.9579, 0.1543, 0.3042



55.9579, 0.2954, 0.2011

Complementary

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



55.9579, 0.4792, 0.4577



11.6061, 0.1586, 0.0909

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.



55.9579, 0.2071, 0.1772



55.9579, 0.4792, 0.4577



55.9579, 0.1384, 0.2195

Square

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



55.9579, 0.4792, 0.4577



55.9579, 0.2095, 0.4290



55.9579, 0.1558, 0.1812



55.9579, 0.4079, 0.2489

Rectangle

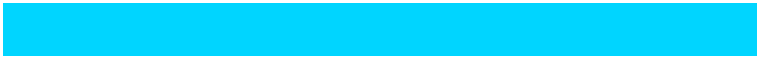
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.9579, 0.4792, 0.4577



55.9579, 0.3314, 0.5323



55.9579, 0.1558, 0.1812



55.9579, 0.2620, 0.1903

Sweetspot

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



55.9607, 0.4792, 0.4577



83.3401, 0.3639, 0.3851



21.7312, 0.5868, 0.3006



17.3923, 0.3719, 0.3931



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.



55.9607, 0.4792, 0.4577



55.9579, 0.4792, 0.4577



83.7591, 0.3807, 0.5359



20.1979, 0.3276, 0.3462



29.5017, 0.4780, 0.4587



3.0552, 0.4697, 0.4652

Inverse Universe

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



11.6061, 0.1586, 0.0909



11.6003, 0.1586, 0.0909



8.0416, 0.1599, 0.0655



18.1891, 0.2979, 0.3112



6.2735, 0.1593, 0.0936



0.7839, 0.1653, 0.1150

Previews

White Background



This preview shows how the Yxy color 55.9579, 0.4792, 0.4577 looks on a white background.

Color Contrast Check

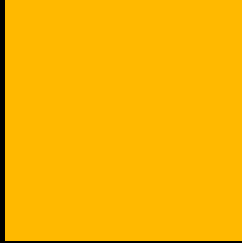
Large Text (above 18pt) WCAG AA × Fail

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 55.9579, 0.4792, 0.4577 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 55.9579, 0.4792, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 55.9579, 0.4792, 0.4577.



This preview shows how white text looks on a background with the Yxy color 55.9579, 0.4792, 0.4577.

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

55.9579, 0.4792, 0.4577

Protanopia

56.1106, 0.4393, 0.4861

Deuteranopia

55.8646, 0.4734, 0.4623



Tritanopia

55.8985, 0.3736, 0.3177

Trichromacy



Original Color

55.9579, 0.4792, 0.4577

Protanomaly

55.8240, 0.4545, 0.4753

Deuteranomaly

55.8133, 0.4759, 0.4603

Tritanomaly

54.8321, 0.4324, 0.3907

Monochromacy



Original Color

55.9579, 0.4792, 0.4577

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.7076, 0.3896, 0.4103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9579, 0.4792, 0.4577 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, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 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, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.9579, 0.4792, 0.4577 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, 185, 0) }
```

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

```
.border{ border-color:rgb(255, 185, 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, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9579, 0.4792, 0.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 0) }
```

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

```
.background{ background-color: rgb(255,  
185, 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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