

Converting Colors

$Y_{xy}(54.7274, 0.4823, 0.4553)$

Have a look what the booklet for
Yxy(54.7274, 0.4823, 0.4553)
contains.

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Color

Yxy(54.7159, 0.4823, 0.4552)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | FFB600 |
| RGB | 255, 182, 0 |
| RGB Percent | 100%, 71%, 0% |
| CMY | 0.0000, 0.2863, 0.9990 |
| CMYK | 0.00, 0.29, 1.00, 0.00 |
| HSL | 43°, 100%, 50% |
| HSV | 43°, 100%, 100% |
| XYZ | 57.9734, 54.7159, 7.5126 |
| YIQ | 183.0790, 101.9300, -41.1260 |

Conversions

Conversions Part 2

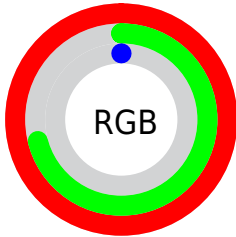
| Format | Color |
|-------------------------------------|--|
| RYB | 102, 255, 0 |
| Decimal | 16758272 |
| CIELab | 78.88, 15.08, 81.55 |
| CIELCh | 79, 82.934, 79.524 |
| Yxy | 54.7159, 0.4823, 0.4552 |
| Android (android.graphics.Color) | 4294948352 (0xFFFFB600) |
| YUV | 183.0790, -90.2579, 63.0747 |
| Hunter-Lab | 73.9702, 10.4497, 45.7575 |

Details

The Yxy color **54.7159, 0.4823, 0.4552** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **12.0213, 0.1594, 0.0937**, and the grayscale version is **47.8784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0336, 0.4151, 0.4698**, and **26.9070, 0.4921, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **54.6847, 0.4824, 0.4552**, and if you desaturate by 10%, it is **57.8605, 0.4717, 0.4573**.

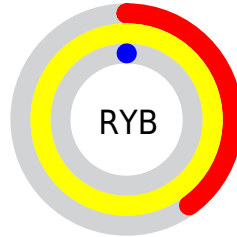
Distribution



Red (100%)

Green (71%)

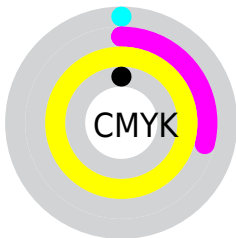
Blue (0%)



Red (40%)

Yellow (100%)

Blue (0%)

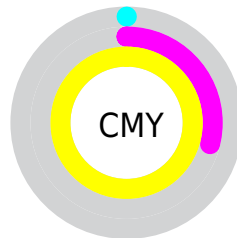


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7159, 0.4823, 0.4552 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 54.7159, 0.4823, 0.4552 by changing the saturation by 10% instead.

 54.7159, 0.4823,
0.4552


 54.7159, 0.4823,
0.4552

404.8341, 0.4097,
0.4075


 39.1743, 0.4950,
0.4614

 97.1246, 0.4598,
0.4422


 26.8954, 0.5083,
0.4663


 124.7605, 0.4502,
0.4360


 17.4946, 0.5240,
0.4709


 157.1966, 0.4416,
0.4302

 10.5878, 0.5336,
0.4664

 194.8173, 0.4338,
0.4249

 5.7904, 0.5435,
0.4565

 238.0070, 0.4268,
0.4200

 2.7180, 0.5587,
0.4413

 287.1501, 0.4205,

 0.9864, 0.5851,

0.4154

0.4149

342.6310, 0.4148,
0.4113

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.7159, 0.4823,
0.4552

■ 54.7159, 0.4823,
0.4552

■ 54.6847, 0.4824,
0.4552

■ 57.8605, 0.4717,
0.4573

■ 61.2586, 0.4582,
0.4547

■ 64.9408, 0.4417,
0.4472

■ 68.9268, 0.4232,
0.4353

73.2338, 0.4034,
0.4201

77.8765, 0.3835,
0.4026

82.8688, 0.3640,
0.3840

88.2232, 0.3455,
0.3651

93.9514, 0.3283,
0.3466

Harmonies

Analogous

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



54.7159, 0.5238, 0.3802



54.7159, 0.4823, 0.4552



54.7159, 0.4000, 0.5195

Triad

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



54.7159, 0.4823, 0.4552



54.7159, 0.1550, 0.3082



54.7159, 0.2913, 0.1993

Complementary

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



54.7159, 0.4823, 0.4552



12.0213, 0.1594, 0.0937

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.



54.7159, 0.2040, 0.1763



54.7159, 0.4823, 0.4552



54.7159, 0.1377, 0.2213

Square

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



54.7159, 0.4823, 0.4552



54.7159, 0.2118, 0.4343



54.7159, 0.1540, 0.1814



54.7159, 0.4041, 0.2464

Rectangle

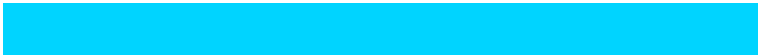
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.7159, 0.4823, 0.4552



54.7159, 0.3351, 0.5337



54.7159, 0.1540, 0.1814



54.7159, 0.2582, 0.1887

Sweetspot

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



54.7158, 0.4823, 0.4552



82.8160, 0.3642, 0.3842



21.7970, 0.5808, 0.2974



17.2665, 0.3723, 0.3922



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.



54.7158, 0.4823, 0.4552



54.6847, 0.4824, 0.4552



84.3653, 0.3837, 0.5335



20.1593, 0.3276, 0.3459



28.8421, 0.4811, 0.4562



2.9953, 0.4724, 0.4631

Inverse Universe

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



12.0213, 0.1594, 0.0937



11.9951, 0.1593, 0.0935



7.9349, 0.1586, 0.0648



18.2255, 0.2979, 0.3115



6.4867, 0.1601, 0.0963



0.8087, 0.1661, 0.1179

Previews

White Background



This preview shows how the Yxy color 54.7159, 0.4823, 0.4552 looks on a white background.

Color Contrast Check

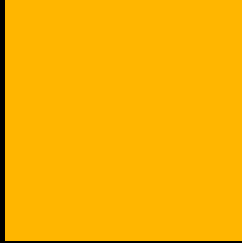
Large Text (above 18pt) WCAG AA × Fail

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 54.7159, 0.4823, 0.4552 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 54.7159, 0.4823, 0.4552

Background



This preview shows how black text looks on a background with the Yxy color 54.7159, 0.4823, 0.4552.



This preview shows how white text looks on a background with the Yxy color 54.7159, 0.4823, 0.4552.

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

54.7159, 0.4823, 0.4552

Protanopia

54.8865, 0.4395, 0.4859

Deuteranopia

54.4721, 0.4731, 0.4626



Tritanopia

54.6078, 0.3771, 0.3176

Trichromacy



Original Color

54.7159, 0.4823, 0.4552

Protanomaly

54.6072, 0.4548, 0.4750

Deuteranomaly

54.6050, 0.4764, 0.4599

Tritanomaly

53.5950, 0.4359, 0.3895

Monochromacy



Original Color

54.7159, 0.4823, 0.4552

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.7066, 0.3905, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7159, 0.4823, 0.4552 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, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 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, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 0) }
```

Border

The CSS property to change the border of an element to Yxy 54.7159, 0.4823, 0.4552 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, 182, 0) }
```

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

```
.border{ border-color:rgb(255, 182, 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, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7159, 0.4823, 0.4552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 0) }
```

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

```
.background{ background-color: rgb(255,  
182, 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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