

# Converting Colors

Yxy(54.5867, 0.4826, 0.4550)

Have a look what the booklet for  
Yxy(54.5867, 0.4826, 0.4550)  
contains.

<b>Yxy(54.7159, 0.4823, 0.4552)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# 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

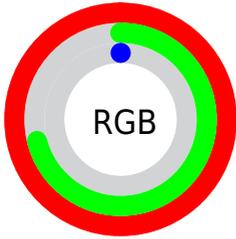
Format	Color
R <sub>Y</sub> B	102, 255, 0
Decimal	16758272
CIE Lab	78.88, 15.08, 81.55
CIE LCh	79, 82.934, 79.524
Yxy	54.7159, 0.4823, 0.4552
Android (android.graphics.Color)	4294948352 (0xFFFFB600)
YUV	183.0790, -90.2579, 63.0747
Hunter-Lab	73.9702, 10.4497, 45.7575

# Details

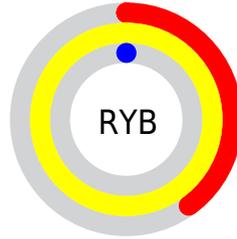
The Yxy color **54.7159, 0.4823, 0.4552** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **12.0213, 0.1594, 0.0937**, and the grayscale version is **47.8784, 0.3127, 0.3290**.

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



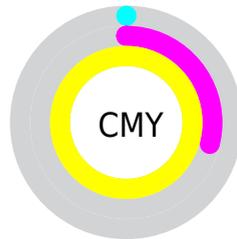
- Red (100%)
- Green (71%)
- Blue (0%)



- 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.



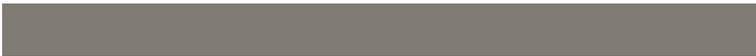
54.7158, 0.4823, 0.4552



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

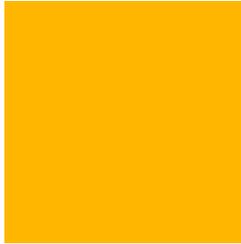


0.8087, 0.1661, 0.1179



# 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

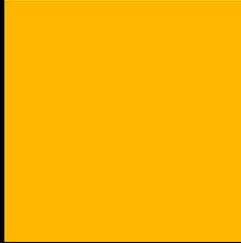
Any Text WCAG AA × Fail

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

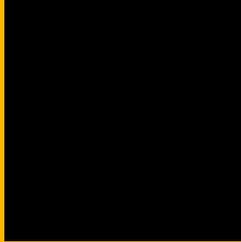
Large Text (above 18pt) WCAG AAA ✓ Pass

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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