

# Converting Colors

Yxy(52.8093, 0.4817, 0.4549)

Have a look what the booklet for  
Yxy(52.8093, 0.4817, 0.4549)  
contains.

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**Color**

**Yxy(52.7582, 0.4820, 0.4547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBB304
RGB	251, 179, 4
RGB Percent	98%, 70%, 2%
CMY	0.0157, 0.2980, 0.9851
CMYK	0.00, 0.29, 0.98, 0.02
HSL	43°, 97%, 50%
HSV	43°, 98%, 98%
XYZ	55.9258, 52.7582, 7.3446
YIQ	180.5780, 99.0870, -39.1610

# Conversions

## Conversions Part 2

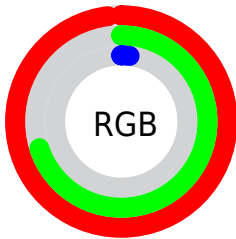
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 251, 4
Decimal	16495364
CIELab	77.73, 14.96, 80.19
CIELCh	78, 81.577, 79.430
Yxy	52.7582, 0.4820, 0.4547
Android (android.graphics.Color)	4294685444 (0xFFFB304)
YUV	180.5780, -87.0530, 61.7601
Hunter-Lab	72.6348, 10.3265, 44.8492

# Details

The Yxy color **52.7582, 0.4820, 0.4547** 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 **12.1321, 0.1606, 0.0973**, and the grayscale version is **46.3977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3012, 0.4170, 0.4676**, and **25.9976, 0.4920, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **52.3094, 0.4836, 0.4542**, and if you desaturate by 10%, it is **55.8496, 0.4709, 0.4564**.

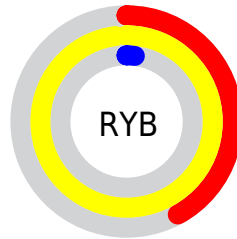
# Distribution



Red (98%)

Green (70%)

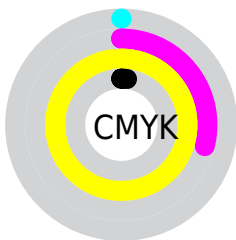
Blue (2%)



Red (42%)

Yellow (98%)

Blue (2%)

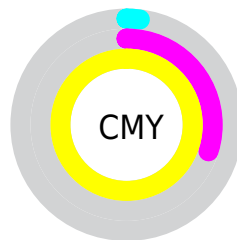


Cyan (0%)

Magenta (29%)

Yellow (98%)

Black (2%)



Cyan (2%)

Magenta (30%)


Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7582, 0.4820, 0.4547 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 52.7582, 0.4820, 0.4547 by changing the saturation by 10% instead.





 52.7582, 0.4820,  
0.4547


 52.7582, 0.4820,  
0.4547

397.3567, 0.4089,  
0.4067

 37.6098, 0.4949,  
0.4610

 94.2485, 0.4592,  
0.4415


 25.6800, 0.5085,  
0.4660


 121.3591, 0.4495,  
0.4353

 16.5844, 0.5249,  
0.4710


 153.2259, 0.4408,  
0.4295

 9.9386, 0.5342,  
0.4658

 190.2333, 0.4330,  
0.4241

 5.3583, 0.5445,  
0.4555

 232.7657, 0.4260,  
0.4192

 2.4590, 0.5605,  
0.4395

 281.2075, 0.4197,

 0.8560, 0.5888,

0.4146

0.4112

335.9430, 0.4140,  
0.4105

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 52.7582, 0.4820,  
0.4547

■ 52.7582, 0.4820,  
0.4547

■ 52.3094, 0.4836,  
0.4542

■ 55.8496, 0.4709,  
0.4564

■ 59.1942, 0.4567,  
0.4532

■ 62.8204, 0.4397,  
0.4450

■ 66.7467, 0.4208,  
0.4327

70.9894, 0.4008,  
0.4171

75.5626, 0.3808,  
0.3996

80.4795, 0.3613,  
0.3810

85.7521, 0.3430,  
0.3622

91.3919, 0.3260,  
0.3439

# Harmonies

## Analogous

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



52.7582, 0.5230, 0.3800



52.7582, 0.4820, 0.4547



52.7582, 0.4001, 0.5186

# Triad

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



52.7582, 0.4820, 0.4547



52.7582, 0.1557, 0.3087



52.7582, 0.2911, 0.1996

# Complementary

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



52.7582, 0.4820, 0.4547



12.1321, 0.1606, 0.0973

# 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.



52.7582, 0.2042, 0.1768



52.7582, 0.4820, 0.4547



52.7582, 0.1383, 0.2219

# Square

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



52.7582, 0.4820, 0.4547



52.7582, 0.2125, 0.4342



52.7582, 0.1544, 0.1820



52.7582, 0.4034, 0.2465



# Rectangle

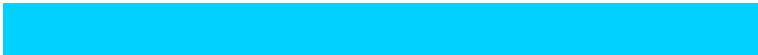
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.7582, 0.4820, 0.4547



52.7582, 0.3355, 0.5328



52.7582, 0.1544, 0.1820



52.7582, 0.2581, 0.1891

# Sweetspot

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



52.7609, 0.4820, 0.4547



82.6133, 0.3643, 0.3839



21.1421, 0.5766, 0.2959



17.2179, 0.3724, 0.3918



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.



52.7609, 0.4820, 0.4547



54.1979, 0.4836, 0.4542



81.5004, 0.3840, 0.5327



19.2866, 0.3276, 0.3457



27.7589, 0.4822, 0.4553



2.7536, 0.4729, 0.4627



# Inverse Universe

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



12.1321, 0.1606, 0.0973



12.1537, 0.1596, 0.0946



7.8116, 0.1598, 0.0659



17.4666, 0.2979, 0.3117



6.3897, 0.1604, 0.0975



0.7660, 0.1668, 0.1204



# Previews

## White Background



This preview shows how the Yxy color 52.7582, 0.4820, 0.4547 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 52.7582, 0.4820, 0.4547 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 52.7582, 0.4820, 0.4547**

## Background



This preview shows how black text looks on a background with the Yxy color 52.7582, 0.4820, 0.4547.



This preview shows how white text looks on a background with the Yxy color 52.7582, 0.4820, 0.4547.

# 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

52.7582, 0.4820, 0.4547

### Protanopia

52.9291, 0.4388, 0.4861

### Deuteranopia

52.5106, 0.4730, 0.4626



## Tritanopia

52.5606, 0.3824, 0.3166

# Trichromacy



## Original Color

52.7582, 0.4820, 0.4547

## Protanomaly

52.6510, 0.4543, 0.4749

## Deuteranomaly

52.6428, 0.4763, 0.4598

## Tritanomaly

51.8368, 0.4385, 0.3867

# Monochromacy



## Original Color

52.7582, 0.4820, 0.4547

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.0487, 0.3892, 0.4071

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.7582, 0.4820, 0.4547 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(251, 179, 4)` looks like.

```
.text, #text, p{  
    color:rgb(251, 179, 4)  
}
```

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(251, 179, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 179, 4) }
```

## Border

The CSS property to change the border of an element to Yxy 52.7582, 0.4820, 0.4547 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(251, 179, 4) }
```

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

```
.border{ border-color:rgb(251, 179, 4) }
```

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

Here you see how a box with a 4 pixel rgb(251, 179, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 179, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 179, 4);  
box-shadow:4px 4px 4px 4px rgb(251, 179,  
4) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.7582, 0.4820, 0.4547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 179, 4) }
```

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

```
.background{ background-color: rgb(251,  
179, 4) }
```

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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