

# Converting Colors

Yxy(53.1176, 0.4719, 0.4618)

Have a look what the booklet for  
Yxy(53.1176, 0.4719, 0.4618)  
contains.

<b>Yxy(53.1176, 0.4719, 0.4618)</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(53.1176, 0.4719, 0.4618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4B708
RGB	244, 183, 8
RGB Percent	96%, 72%, 3%
CMY	0.0432, 0.2823, 0.9679
CMYK	0.00, 0.25, 0.97, 0.04
HSL	44°, 94%, 49%
HSV	44°, 97%, 96%
XYZ	54.2793, 53.1176, 7.6260
YIQ	181.2890, 92.5310, -41.4930

# Conversions

## Conversions Part 2

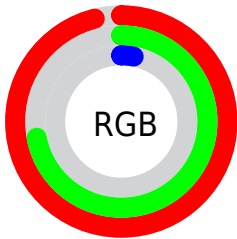
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 244, 8
Decimal	16037640
CIE <sub>Lab</sub>	77.94, 9.90, 79.53
CIE <sub>LCh</sub>	78, 80.145, 82.907
Yxy	53.1176, 0.4719, 0.4618
Android (android.graphics.Color)	4294227720 (0xFF4B708)
YUV	181.2890, -85.4315, 54.9975
Hunter-Lab	72.8818, 5.3961, 44.8134

# Details

The Yxy color **53.1176, 0.4719, 0.4618** 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 **10.8547, 0.1599, 0.0935**, and the grayscale version is **46.8191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6489, 0.4137, 0.4693**, and **25.9103, 0.4806, 0.4566** is the 20% darker color. If you saturate the color by 10%, you get **52.2372, 0.4749, 0.4611**, and if you desaturate by 10%, it is **55.8704, 0.4616, 0.4619**.

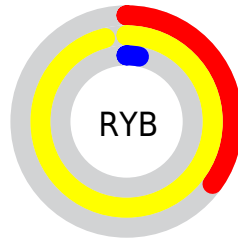
# Distribution



Red (96%)

Green (72%)

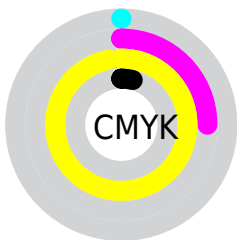
Blue (3%)



Red (35%)

Yellow (96%)

Blue (3%)

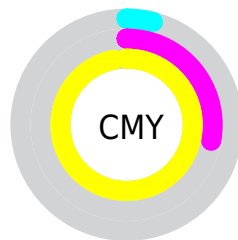


Cyan (0%)

Magenta (25%)

Yellow (97%)

Black (4%)



Cyan (4%)

Magenta (28%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1176, 0.4719, 0.4618 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 53.1176, 0.4719, 0.4618 by changing the saturation by 10% instead.




 53.1176, 0.4719,  
0.4618


 53.1176, 0.4719,  
0.4618


398.7361, 0.4036,  
0.4091

 37.8967, 0.4838,  
0.4695


 94.7774, 0.4508,  
0.4467

 25.9025, 0.4961,  
0.4763


 121.9850, 0.4417,  
0.4398


 16.7507, 0.5105,  
0.4832


 153.9570, 0.4335,  
0.4335

 10.0569, 0.5186,  
0.4814

 191.0778, 0.4262,  
0.4277

 5.4367, 0.5255,  
0.4745

 233.7317, 0.4197,  
0.4224

 2.5057, 0.5363,  
0.4637

 282.3031, 0.4138,

 0.8795, 0.5557,

0.4175

0.4443

337.1765, 0.4084,  
0.4131

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.1176, 0.4719,  
0.4618

■ 53.1176, 0.4719,  
0.4618

■ 52.2372, 0.4749,  
0.4611

■ 55.8704, 0.4616,  
0.4619

■ 58.8368, 0.4482,  
0.4571

■ 62.0396, 0.4322,  
0.4476

■ 65.4949, 0.4142,  
0.4340

■ 69.2168, 0.3951,  
0.4174

■ 73.2178, 0.3760,  
0.3990

■ 77.5094, 0.3572,  
0.3796

■ 82.1019, 0.3395,  
0.3601

■ 87.0054, 0.3229,  
0.3411

# Harmonies

## Analogous

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



53.1176, 0.5178, 0.3884



53.1176, 0.4719, 0.4618



53.1176, 0.3886, 0.5201

# Triad

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



53.1176, 0.4719, 0.4618



53.1176, 0.1544, 0.2970



53.1176, 0.3037, 0.2058

# Complementary

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



53.1176, 0.4719, 0.4618



10.8547, 0.1599, 0.0935

# 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.



53.1176, 0.2141, 0.1803



53.1176, 0.4719, 0.4618



53.1176, 0.1410, 0.2173

# Square

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



53.1176, 0.4719, 0.4618



53.1176, 0.2060, 0.4176



53.1176, 0.1607, 0.1821



53.1176, 0.4143, 0.2545



# Rectangle

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



53.1176, 0.4719, 0.4618



53.1176, 0.3244, 0.5269



53.1176, 0.1607, 0.1821



53.1176, 0.2701, 0.1945

# Sweetspot

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



53.1203, 0.4719, 0.4618



84.5222, 0.3617, 0.3843



19.8612, 0.5823, 0.3002



17.6557, 0.3697, 0.3926



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.



53.1203, 0.4719, 0.4618



57.6903, 0.4751, 0.4610



75.5154, 0.3788, 0.5360



18.5460, 0.3275, 0.3465



28.6434, 0.4738, 0.4620



2.6827, 0.4655, 0.4686



# Inverse Universe

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



10.8547, 0.1599, 0.0935



11.1069, 0.1577, 0.0876



7.7705, 0.1645, 0.0692



16.6230, 0.2979, 0.3109



5.6753, 0.1585, 0.0905



0.6584, 0.1650, 0.1139



# Previews

## White Background



This preview shows how the Yxy color 53.1176, 0.4719, 0.4618 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 53.1176, 0.4719, 0.4618 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 53.1176, 0.4719, 0.4618**

## Background



This preview shows how black text looks on a background with the Yxy color 53.1176, 0.4719, 0.4618.



This preview shows how white text looks on a background with the Yxy color 53.1176, 0.4719, 0.4618.

# 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

53.1176, 0.4719, 0.4618

### Protanopia

53.5235, 0.4388, 0.4863

### Deuteranopia

53.1176, 0.4719, 0.4618



## Tritanopia

53.0510, 0.3772, 0.3154

# Trichromacy



## Original Color

53.1176, 0.4719, 0.4618

## Protanomaly

53.1869, 0.4505, 0.4776

## Deuteranomaly

53.1176, 0.4719, 0.4618

## Tritanomaly

52.3158, 0.4306, 0.3878

# Monochromacy



## Original Color

53.1176, 0.4719, 0.4618

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.6013, 0.3855, 0.4087

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.1176, 0.4719, 0.4618 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(244, 183, 8)` looks like.

```
.text, #text, p{  
    color:rgb(244, 183, 8)  
}
```

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(244, 183, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 183, 8) }
```

## Border

The CSS property to change the border of an element to Yxy 53.1176, 0.4719, 0.4618 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(244, 183, 8) }
```

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

```
.border{ border-color:rgb(244, 183, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 183, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 183, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 183, 8);  
box-shadow:4px 4px 4px 4px rgb(244, 183,  
8) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.1176, 0.4719, 0.4618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 183, 8) }
```

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

```
.background{ background-color: rgb(244,  
183, 8) }
```

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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