

# Converting Colors

$Y_{xy}(57.2766, 0.4696, 0.4515)$

Have a look what the booklet for  
Yxy(57.2766, 0.4696, 0.4515)  
contains.

|   |    |
|---|----|
| <b>Yxy(57.3865, 0.4693, 0.4517)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# **Color**

**Yxy(57.3865, 0.4693, 0.4517)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFBC29                      |
| RGB         | 255, 188, 41                |
| RGB Percent | 100%, 74%, 16%              |
| CMY         | 0.0000, 0.2627, 0.8390      |
| CMYK        | 0.00, 0.26, 0.84, 0.00      |
| HSL         | 41°, 100%, 58%              |
| HSV         | 41°, 84%, 100%              |
| XYZ         | 59.6225, 57.3865, 10.0366   |
| YIQ         | 191.2750, 87.1190, -31.5130 |

# Conversions

## Conversions Part 2

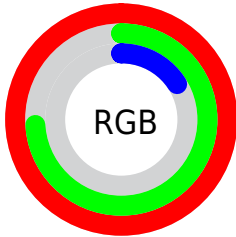
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 139, 255, 41                   |
| Decimal                             | 16759849                       |
| CIE <sub>Lab</sub>                  | 80.40, 12.51, 75.86            |
| CIE <sub>LCh</sub>                  | 80, 76.881, 80.632             |
| Yxy                                 | 57.3865, 0.4693,<br>0.4517     |
| Android<br>(android.graphics.Color) | 4294949929<br>(0xFFFFBC29)     |
| YUV                                 | 191.2750, -74.0856,<br>55.8868 |
| Hunter-Lab                          | 75.7539, 7.9201,<br>45.1724    |

# Details

The Yxy color **57.3865, 0.4693, 0.4517** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **18.4258, 0.1743, 0.1320**, and the grayscale version is **52.6742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9010, 0.4041, 0.4624**, and **28.6654, 0.4848, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **53.9473, 0.4827, 0.4516**, and if you desaturate by 10%, it is **61.1352, 0.4528, 0.4466**.

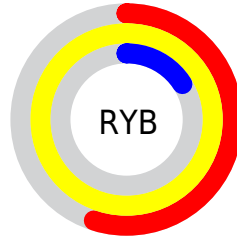
# Distribution



Red (100%)

Green (74%)

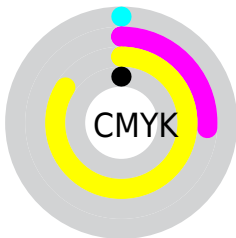
Blue (16%)



Red (55%)

Yellow (100%)

Blue (16%)

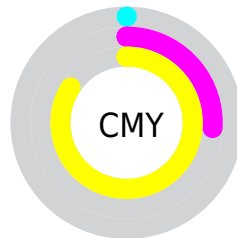


Cyan (0%)

Magenta (26%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3865, 0.4693, 0.4517 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 57.3865, 0.4693, 0.4517 by changing the saturation by 10% instead.





 57.3865, 0.4693,  
0.4517


 57.3865, 0.4693,  
0.4517


414.8960, 0.4013,  
0.4031


 41.3156, 0.4818,  
0.4591


 101.0289, 0.4478,  
0.4376


 28.5658, 0.4953,  
0.4660


 129.3693, 0.4387,  
0.4312

 18.7526, 0.5093,  
0.4713


 162.5682, 0.4307,  
0.4254

 11.4916, 0.5249,  
0.4751

 201.0102, 0.4235,  
0.4200

 6.3985, 0.5328,  
0.4672

 245.0795, 0.4170,  
0.4152

 3.0889, 0.5447,  
0.4553

 295.1607, 0.4112,

 1.1783, 0.5652,

0.4108

0.4348

351.6381, 0.4060,  
0.4067

■ 0.0439, 0.8878,  
0.1122

■ 0.0000, 0.0000,  
0.0000

■ 57.3865, 0.4693,  
0.4517

■ 57.3865, 0.4693,  
0.4517

■ 53.9473, 0.4827,  
0.4516

■ 61.1352, 0.4528,  
0.4466

■ 51.9786, 0.4895,  
0.4495

■ 65.2070, 0.4338,  
0.4368

■ 69.6234, 0.4135,  
0.4233

■ 74.4007, 0.3927,  
0.4071

79.5539, 0.3724,  
0.3894

85.0965, 0.3531,  
0.3712

91.0412, 0.3351,  
0.3530

97.3999, 0.3187,  
0.3356

99.9987, 0.3127,  
0.3290

# Harmonies

## Analogous

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



57.3865, 0.5071, 0.3825



57.3865, 0.4693, 0.4517



57.3865, 0.3931, 0.5063

# Triad

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



57.3865, 0.4693, 0.4517



57.3865, 0.1653, 0.3077



57.3865, 0.2972, 0.2094

# Complementary

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



57.3865, 0.4693, 0.4517



18.4258, 0.1743, 0.1320

# 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.



57.3865, 0.2146, 0.1868



57.3865, 0.4693, 0.4517



57.3865, 0.1493, 0.2284

# Square

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



57.3865, 0.4693, 0.4517



57.3865, 0.2181, 0.4202



57.3865, 0.1658, 0.1912



57.3865, 0.4004, 0.2547



# Rectangle

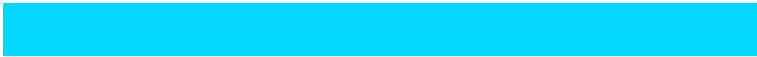
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.3865, 0.4693, 0.4517



57.3865, 0.3326, 0.5144



57.3865, 0.1658, 0.1912



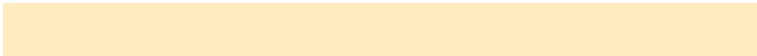
57.3865, 0.2662, 0.1991

# Sweetspot

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



57.3894, 0.4693, 0.4517



84.4720, 0.3551, 0.3732



23.9483, 0.5243, 0.2804



17.6573, 0.3618, 0.3796



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.



57.3894, 0.4693, 0.4517



51.9817, 0.4895, 0.4495



86.2403, 0.3880, 0.5195



20.0748, 0.3277, 0.3453



27.4407, 0.4880, 0.4507



2.8674, 0.4782, 0.4585



# Inverse Universe

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



18.4258, 0.1743, 0.1320



12.9341, 0.1610, 0.0996



10.5269, 0.1730, 0.0821



18.3056, 0.2979, 0.3122



6.9919, 0.1618, 0.1025



0.8662, 0.1680, 0.1246



# Previews

## White Background



This preview shows how the Yxy color 57.3865, 0.4693, 0.4517 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 57.3865, 0.4693, 0.4517 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 57.3865, 0.4693, 0.4517**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.3865, 0.4693, 0.4517.



This preview shows how white text looks on a background with the Yxy color 57.3865, 0.4693, 0.4517.

# 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

57.3865, 0.4693, 0.4517

### Protanopia

57.4980, 0.4333, 0.4776

### Deuteranopia

57.2438, 0.4663, 0.4546



## Tritanopia

57.2179, 0.3701, 0.3177

# Trichromacy



## Original Color

57.3865, 0.4693, 0.4517

## Protanomaly

57.4871, 0.4462, 0.4683

## Deuteranomaly

57.4310, 0.4671, 0.4540

## Tritanomaly

56.4935, 0.4166, 0.3771

# Monochromacy



## Original Color

57.3865, 0.4693, 0.4517

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.9006, 0.3766, 0.3938

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.3865, 0.4693, 0.4517 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, 188, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 41)  
}
```

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, 188, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 41) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3865, 0.4693, 0.4517 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, 188, 41) }
```

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

```
.border{ border-color:rgb(255, 188, 41) }
```

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

Here you see how a box with a 4 pixel rgb(255, 188, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
41) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3865, 0.4693, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 41) }
```

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

```
.background{ background-color: rgb(255,  
188, 41) }
```

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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