

# Converting Colors

Yxy(55.2694, 0.4541, 0.4398)

Have a look what the booklet for  
Yxy(55.2694, 0.4541, 0.4398)  
contains.

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# Color

**Yxy(55.3216, 0.4537, 0.4404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7BA45
RGB	247, 186, 69
RGB Percent	97%, 73%, 27%
CMY	0.0313, 0.2706, 0.7294
CMYK	0.00, 0.25, 0.72, 0.03
HSL	39°, 92%, 62%
HSV	39°, 72%, 97%
XYZ	56.9923, 55.3216, 13.3028
YIQ	190.9010, 73.9130, -23.4550

# Conversions

## Conversions Part 2

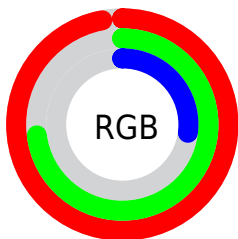
Format	Color
R <sub>Y</sub> B	162, 247, 69
Decimal	16235077
CIE Lab	79.23, 11.17, 64.94
CIE LCh	79, 65.896, 80.240
Yxy	55.3216, 0.4537, 0.4404
Android (android.graphics.Color)	4294425157 (0xFFFF7BA45)
YUV	190.9010, -60.0972, 49.1988
Hunter-Lab	74.3785, 6.6127, 41.4608

# Details

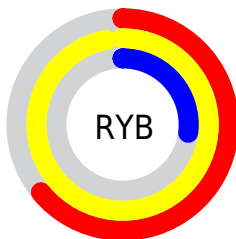
The Yxy color **55.3216, 0.4537, 0.4404** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **23.9446, 0.1912, 0.1682**, and the grayscale version is **52.3643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1943, 0.3945, 0.4441**, and **27.2142, 0.4805, 0.4567** is the 20% darker color. If you saturate the color by 10%, you get **51.6172, 0.4721, 0.4459**, and if you desaturate by 10%, it is **59.3703, 0.4332, 0.4303**.

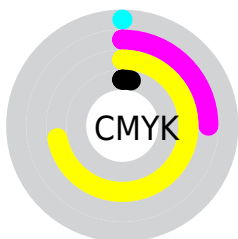
# Distribution



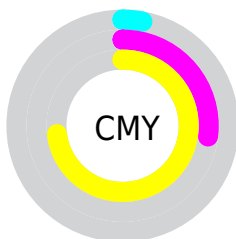
- Red (97%)
- Green (73%)
- Blue (27%)



- Red (64%)
- Yellow (97%)
- Blue (27%)



- Cyan (0%)
- Magenta (25%)
- Yellow (72%)
- Black (3%)




- Cyan (3%)
- Magenta (27%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3216, 0.4537, 0.4404 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 55.3216, 0.4537, 0.4404 by changing the saturation by 10% instead.





 55.3216, 0.4537,  
0.4404


 55.3216, 0.4537,  
0.4404


407.1298, 0.3899,  
0.3935

 39.6593, 0.4665,  
0.4486


 98.0120, 0.4327,  
0.4259

 27.2730, 0.4809,  
0.4571


 125.8088, 0.4241,  
0.4197


 17.7783, 0.4968,  
0.4650


 158.4193, 0.4166,  
0.4141

 10.7910, 0.5174,  
0.4744

 196.2278, 0.4100,  
0.4091

 5.9265, 0.5291,  
0.4709

 239.6187, 0.4041,  
0.4046

 2.8004, 0.5405,  
0.4595

288.9764, 0.3988,

 1.0284, 0.5603,

0.4005

0.4397

344.6853, 0.3941,  
0.3968

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.3216, 0.4537,  
0.4404

■ 55.3216, 0.4537,  
0.4404

■ 51.6172, 0.4721,  
0.4459

■ 59.3703, 0.4332,  
0.4303


■ 48.2282, 0.4874,  
0.4462

■ 63.7728, 0.4117,  
0.4168


■ 45.7434, 0.4975,  
0.4432


■ 68.5475, 0.3902,  
0.4009


■ 73.7087, 0.3694,  
0.3837

 79.2695, 0.3499,  
0.3661

 85.2425, 0.3321,  
0.3489

 91.6392, 0.3159,  
0.3323

 97.7010, 0.3078,  
0.3278

 98.5152, 0.3078,  
0.3290

# Harmonies

## Analogous

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



55.3216, 0.4837, 0.3796



55.3216, 0.4537, 0.4404



55.3216, 0.3878, 0.4844

# Triad

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



55.3216, 0.4537, 0.4404



55.3216, 0.1825, 0.3134



55.3216, 0.2989, 0.2218

# Complementary

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



55.3216, 0.4537, 0.4404



23.9446, 0.1912, 0.1682

# 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.



55.3216, 0.2255, 0.2017



55.3216, 0.4537, 0.4404



55.3216, 0.1664, 0.2423

# Square

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



55.3216, 0.4537, 0.4404



55.3216, 0.2316, 0.4084



55.3216, 0.1810, 0.2069



55.3216, 0.3883, 0.2629



# Rectangle

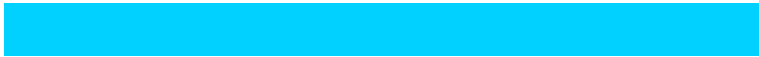
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3216, 0.4537, 0.4404



55.3216, 0.3342, 0.4883



55.3216, 0.1810, 0.2069



55.3216, 0.2716, 0.2125

# Sweetspot

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



55.3243, 0.4537, 0.4404



85.2406, 0.3499, 0.3661



25.6774, 0.4722, 0.2718



17.8881, 0.3550, 0.3709



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.



55.3243, 0.4537, 0.4404



53.9675, 0.4787, 0.4467



82.2178, 0.3892, 0.5004



18.3015, 0.3277, 0.3445



24.4655, 0.4958, 0.4445



2.3409, 0.4838, 0.4541



# Inverse Universe

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



23.9446, 0.1912, 0.1682



18.9259, 0.1741, 0.1349



13.4414, 0.1874, 0.1063



16.8551, 0.2980, 0.3130



7.1947, 0.1640, 0.1103



0.8159, 0.1709, 0.1351



# Previews

## White Background



This preview shows how the Yxy color 55.3216, 0.4537, 0.4404 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 55.3216, 0.4537, 0.4404 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 55.3216, 0.4537, 0.4404**

## Background



This preview shows how black text looks on a background with the Yxy color 55.3216, 0.4537, 0.4404.



This preview shows how white text looks on a background with the Yxy color 55.3216, 0.4537, 0.4404.

# 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

55.3216, 0.4537, 0.4404

### Protanopia

55.4605, 0.4196, 0.4622

### Deuteranopia

55.3828, 0.4512, 0.4423



## Tritanopia

55.1200, 0.3741, 0.3156

# Trichromacy



**Original Color**

55.3216, 0.4537, 0.4404

**Protanomaly**

55.2529, 0.4318, 0.4543

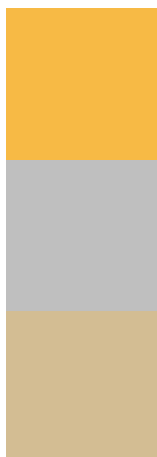
**Deuteranomaly**

55.5631, 0.4520, 0.4418

**Tritanomaly**

54.5499, 0.4091, 0.3653

# Monochromacy



**Original Color**

55.3216, 0.4537, 0.4404

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

52.3507, 0.3654, 0.3801

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3216, 0.4537, 0.4404 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(247, 186, 69)` looks like.

```
.text, #text, p{  
    color:rgb(247, 186, 69)  
}
```

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(247, 186, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 186, 69) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3216, 0.4537, 0.4404 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(247, 186, 69) }
```

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

```
.border{ border-color:rgb(247, 186, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 186, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 186, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 186, 69);  
box-shadow:4px 4px 4px 4px rgb(247, 186,  
69) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3216, 0.4537, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 186, 69) }
```

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

```
.background{ background-color: rgb(247,  
186, 69) }
```

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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