

# Converting Colors

$Yxy(59.7556, 0.4378, 0.4488)$

Have a look what the booklet for  
Yxy(59.7556, 0.4378, 0.4488)  
contains.

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# **Color**

**Yxy(59.9509, 0.4376, 0.4490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3C64B
RGB	243, 198, 75
RGB Percent	95%, 78%, 29%
CMY	0.0470, 0.2235, 0.7060
CMYK	0.00, 0.19, 0.69, 0.05
HSL	44°, 88%, 62%
HSV	44°, 69%, 95%
XYZ	58.4288, 59.9509, 15.1413
YIQ	197.4330, 66.3030, -28.7130

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 243, 75
Decimal	15976011
CIELab	81.81, 3.54, 65.02
CIELCh	82, 65.120, 86.884
Yxy	59.9509, 0.4376, 0.4490
Android (android.graphics.Color)	4294166091 (0xFFFF3C64B)
YUV	197.4330, -60.3595, 39.9623
Hunter-Lab	77.4280, -0.7991, 42.6052

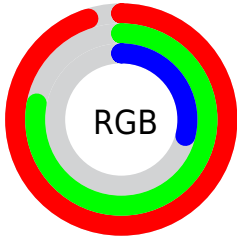
# Details

The Yxy color **59.9509, 0.4376, 0.4490** is a light color, and the websafe version is hex **FFCC66**.

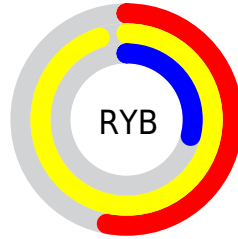
The color can be described as light washed yellow. A complement of this color would be **21.3927, 0.1914, 0.1587**, and the grayscale version is **56.4528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7553, 0.3854, 0.4477**, and **30.3356, 0.4601, 0.4699** is the 20% darker color. If you saturate the color by 10%, you get **56.7703, 0.4534, 0.4573**, and if you desaturate by 10%, it is **63.3922, 0.4196, 0.4365**.

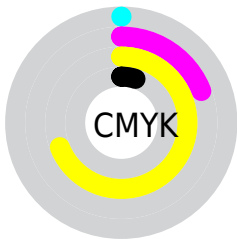
# Distribution



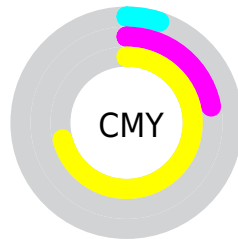
- Red (95%)
- Green (78%)
- Blue (29%)



- Red (53%)
- Yellow (95%)
- Blue (29%)



- Cyan (0%)
- Magenta (19%)
- Yellow (69%)
- Black (5%)




- Cyan (5%)
- Magenta (22%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9509, 0.4376, 0.4490 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 59.9509, 0.4376, 0.4490 by changing the saturation by 10% instead.





 59.9509, 0.4376,  
0.4490


 59.9509, 0.4376,  
0.4490

424.4168, 0.3823,  
0.3970

 43.3791, 0.4484,  
0.4588

 104.7584, 0.4196,  
0.4324

 30.1826, 0.4605,  
0.4695


 133.7629, 0.4122,  
0.4255


 19.9773, 0.4736,  
0.4806


 167.6804, 0.4057,  
0.4193

 12.3785, 0.4881,  
0.4923

 206.8953, 0.3999,  
0.4138

 7.0020, 0.5001,  
0.4999

 251.7920, 0.3948,  
0.4090

 3.4634, 0.5034,  
0.4966

302.7549, 0.3902,

 1.3782, 0.5091,

0.4046

360.1683, 0.3861,  
0.4006

0.4909

0.2005, 0.5801,  
0.4199

0.0000, 0.0000,  
0.0000

59.9509, 0.4376,  
0.4490

59.9509, 0.4376,  
0.4490

56.7703, 0.4534,  
0.4573

63.3922, 0.4196,  
0.4365

53.8247, 0.4665,  
0.4607


67.0999, 0.4005,  
0.4207

51.0920, 0.4765,  
0.4594


71.0899, 0.3811,  
0.4028


50.8678, 0.4773,  
0.4592


75.3738, 0.3620,  
0.3838

 79.9625, 0.3439,  
0.3645

 84.8660, 0.3270,  
0.3456

 90.0938, 0.3115,  
0.3275

 94.6941, 0.3055,  
0.3242

 97.7971, 0.3054,  
0.3290

# Harmonies

## Analogous

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



59.9509, 0.4754, 0.3923



59.9509, 0.4376, 0.4490



59.9509, 0.3692, 0.4827

# Triad

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



59.9509, 0.4376, 0.4490



59.9509, 0.1806, 0.2964



59.9509, 0.3182, 0.2324

# Complementary

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



59.9509, 0.4376, 0.4490



21.3927, 0.1914, 0.1587

# 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.



59.9509, 0.2420, 0.2079



59.9509, 0.4376, 0.4490



59.9509, 0.1715, 0.2351

# Square

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



59.9509, 0.4376, 0.4490



59.9509, 0.2214, 0.3851



59.9509, 0.1921, 0.2073



59.9509, 0.4037, 0.2762



# Rectangle

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



59.9509, 0.4376, 0.4490



59.9509, 0.3164, 0.4766



59.9509, 0.1921, 0.2073



59.9509, 0.2905, 0.2218

# Sweetspot

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



59.9538, 0.4376, 0.4490



88.2060, 0.3472, 0.3682



25.5036, 0.4792, 0.2840



18.5729, 0.3522, 0.3735



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.



59.9538, 0.4376, 0.4490



61.9676, 0.4591, 0.4593



77.8250, 0.3795, 0.5010



18.5187, 0.3275, 0.3462



28.1484, 0.4762, 0.4601



2.6426, 0.4674, 0.4671



# Inverse Universe

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



21.3927, 0.1914, 0.1587



16.8630, 0.1723, 0.1230



14.9027, 0.1999, 0.1178



16.6487, 0.2979, 0.3112



5.8207, 0.1590, 0.0924



0.6742, 0.1656, 0.1161



# Previews

## White Background



This preview shows how the Yxy color 59.9509, 0.4376, 0.4490 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 59.9509, 0.4376, 0.4490 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 59.9509, 0.4376, 0.4490**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.9509, 0.4376, 0.4490.



This preview shows how white text looks on a background with the Yxy color 59.9509, 0.4376, 0.4490.

# 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

59.9509, 0.4376, 0.4490

### Protanopia

60.0524, 0.4188, 0.4605

### Deuteranopia

59.7326, 0.4500, 0.4388



## Tritanopia

59.5635, 0.3574, 0.3134

# Trichromacy



## Original Color

59.9509, 0.4376, 0.4490

## Protanomaly

60.0865, 0.4258, 0.4566

## Deuteranomaly

59.8760, 0.4451, 0.4424

## Tritanomaly

59.3332, 0.3917, 0.3666

# Monochromacy



## Original Color

59.9509, 0.4376, 0.4490

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.5286, 0.3606, 0.3814

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9509, 0.4376, 0.4490 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(243, 198, 75)` looks like.

```
.text, #text, p{  
    color:rgb(243, 198, 75)  
}
```

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(243, 198, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 198, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9509, 0.4376, 0.4490 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(243, 198, 75) }
```

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

```
.border{ border-color:rgb(243, 198, 75) }
```

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

Here you see how a box with a 4 pixel rgb(243, 198, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 198, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 198, 75);  
box-shadow:4px 4px 4px 4px rgb(243, 198,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9509, 0.4376, 0.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 198, 75) }
```

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

```
.background{ background-color: rgb(243,  
198, 75) }
```

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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