

# Converting Colors

$Y_{xy}(58.2423, 0.4104, 0.4110)$

Have a look what the booklet for  
Yxy(58.2423, 0.4104, 0.4110)  
contains.

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# **Color**

**Yxy(58.2423, 0.4104, 0.4110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFC276
RGB	239, 194, 118
RGB Percent	94%, 76%, 46%
CMY	0.0627, 0.2392, 0.5373
CMYK	0.00, 0.19, 0.51, 0.06
HSL	38°, 79%, 70%
HSV	38°, 51%, 94%
XYZ	58.1573, 58.2423, 25.3092
YIQ	198.7910, 51.2160, -14.0960

# Conversions

## Conversions Part 2

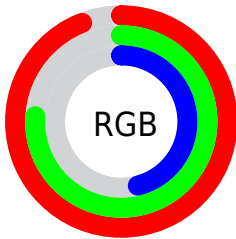
Format	Color
R <sub>Y</sub> B	190, 239, 118
Decimal	15712886
CIE Lab	80.87, 6.92, 44.05
CIE LCh	81, 44.593, 81.068
Yxy	58.2423, 0.4104, 0.4110
Android (android.graphics.Color)	4293902966 (0xFFEFC276)
YUV	198.7910, -39.8300, 35.2633
Hunter-Lab	76.3166, 2.4722, 33.7591

# Details

The Yxy color **58.2423, 0.4104, 0.4110** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.2664, 0.2271, 0.2279**, and the grayscale version is **57.2039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5715, 0.3640, 0.4071**, and **29.2788, 0.4335, 0.4288** is the 20% darker color. If you saturate the color by 10%, you get **53.9093, 0.4330, 0.4244**, and if you desaturate by 10%, it is **62.9613, 0.3882, 0.3955**.

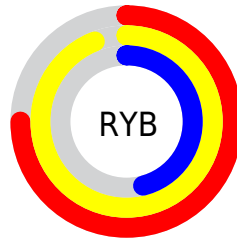
# Distribution



Red (94%)

Green (76%)

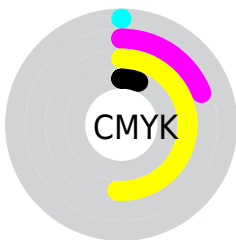
Blue (46%)



Red (75%)

Yellow (94%)

Blue (46%)

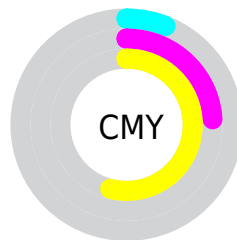


Cyan (0%)

Magenta (19%)

Yellow (51%)

Black (6%)



Cyan (6%)

Magenta (24%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2423, 0.4104, 0.4110 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 58.2423, 0.4104, 0.4110 by changing the saturation by 10% instead.





 58.2423, 0.4104,  
0.4110

 58.2423, 0.4104,  
0.4110


418.0882, 0.3645,  
0.3737


 42.0035, 0.4207,  
0.4189


 102.2756, 0.3946,  
0.3985

 29.1040, 0.4330,  
0.4282


 130.8389, 0.3883,  
0.3934

 19.1595, 0.4481,  
0.4391


 164.2791, 0.3830,  
0.3891

 11.7856, 0.4665,  
0.4514

202.9807, 0.3783,  
0.3853

 6.5979, 0.4894,  
0.4654

247.3280, 0.3742,  
0.3819

 3.2119, 0.5193,  
0.4807

297.7054, 0.3706,

 1.2433, 0.5308,

0.3789

0.4692

354.4973, 0.3674,  
0.3762

■ 0.0967, 0.7296,  
0.2704

■ 0.0000, 0.0000,  
0.0000

■ 58.2423, 0.4104,  
0.4110

■ 58.2423, 0.4104,  
0.4110

■ 53.9093, 0.4330,  
0.4244

■ 62.9613, 0.3882,  
0.3955

■ 49.9387, 0.4549,  
0.4345

■ 68.0719, 0.3671,  
0.3789

■ 46.3165, 0.4750,  
0.4402

■ 73.5898, 0.3475,  
0.3621

■ 43.0231, 0.4922,  
0.4407

■ 79.5271, 0.3297,  
0.3457

40.2099, 0.5055,  
0.4369

85.8954, 0.3137,  
0.3300

92.2878, 0.3030,  
0.3214

97.0906, 0.3029,  
0.3290

# Harmonies

## Analogous

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



58.2423, 0.4283, 0.3708



58.2423, 0.4104, 0.4110



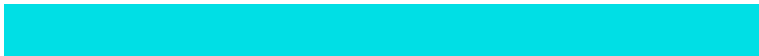
58.2423, 0.3665, 0.4336

# Triad

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



58.2423, 0.4104, 0.4110



58.2423, 0.2218, 0.3198



58.2423, 0.3064, 0.2537

# Complementary

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



58.2423, 0.4104, 0.4110



36.2664, 0.2271, 0.2279

# 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.



58.2423, 0.2542, 0.2389



58.2423, 0.4104, 0.4110



58.2423, 0.2091, 0.2710

# Square

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



58.2423, 0.4104, 0.4110



58.2423, 0.2578, 0.3789



58.2423, 0.2204, 0.2438



58.2423, 0.3654, 0.2846



# Rectangle

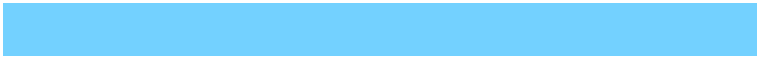
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.2423, 0.4104, 0.4110



58.2423, 0.3295, 0.4312



58.2423, 0.2204, 0.2438



58.2423, 0.2875, 0.2468

# Sweetspot

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



58.2451, 0.4104, 0.4110



89.0370, 0.3373, 0.3529



33.9965, 0.3998, 0.2785



18.7472, 0.3411, 0.3563



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.



58.2451, 0.4104, 0.4110



62.1796, 0.4343, 0.4251



79.0285, 0.3763, 0.4565



17.4138, 0.3277, 0.3438



22.4807, 0.5037, 0.4382



2.0601, 0.4897, 0.4494



# Inverse Universe

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



36.2664, 0.2271, 0.2279



34.1066, 0.2094, 0.2021



24.0975, 0.2251, 0.1717



16.1914, 0.2980, 0.3137



7.6094, 0.1662, 0.1183



0.8176, 0.1735, 0.1445



# Previews

## White Background



This preview shows how the Yxy color 58.2423, 0.4104, 0.4110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

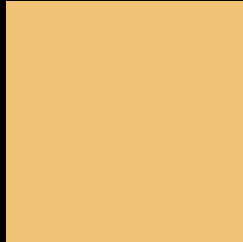
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.2423, 0.4104, 0.4110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

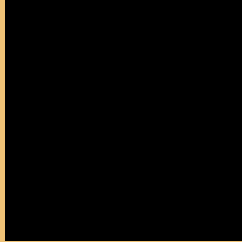
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.2423, 0.4104, 0.4110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.2423, 0.4104, 0.4110.



This preview shows how white text looks on a background with the Yxy color 58.2423, 0.4104, 0.4110.

# 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

58.2423, 0.4104, 0.4110

### Protanopia

58.3694, 0.3882, 0.4207

### Deuteranopia

58.2404, 0.4158, 0.4075



## Tritanopia

57.9973, 0.3534, 0.3131

# Trichromacy



## Original Color

58.2423, 0.4104, 0.4110

## Protanomaly

58.0751, 0.3964, 0.4166

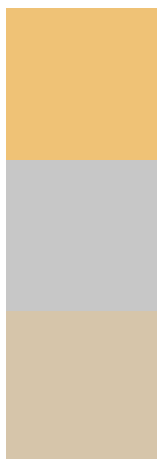
## Deuteranomaly

58.3252, 0.4135, 0.4091

## Tritanomaly

57.9234, 0.3746, 0.3488

# Monochromacy



## Original Color

58.2423, 0.4104, 0.4110

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

57.1309, 0.3473, 0.3610

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2423, 0.4104, 0.4110 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(239, 194, 118)` looks like.

```
.text, #text, p{  
    color:rgb(239, 194, 118)  
}
```

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(239, 194, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 194, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2423, 0.4104, 0.4110 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(239, 194, 118) }
```

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

```
.border{ border-color:rgb(239, 194, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 194, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 194, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 194, 118);  
box-shadow:4px 4px 4px 4px rgb(239, 194,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2423, 0.4104, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 194, 118) }
```

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

```
.background{ background-color: rgb(239,  
194, 118) }
```

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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