

Converting Colors

$Y_{xy}(59.4026, 0.4436, 0.4708)$

Have a look what the booklet for
Yxy(59.4026, 0.4436, 0.4708)
contains.

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Color

Yxy(59.4875, 0.4434, 0.4709)

Conversions

Conversions Part 1

Format	Color
Hex	EDC82B
RGB	237, 200, 43
RGB Percent	93%, 78%, 17%
CMY	0.0706, 0.2156, 0.8309
CMYK	0.00, 0.16, 0.82, 0.07
HSL	49°, 84%, 55%
HSV	49°, 82%, 93%
XYZ	56.0135, 59.4875, 10.8262
YIQ	193.1650, 72.4490, -40.9830

Conversions

Conversions Part 2

Format	Color
RYB	89, 237, 43
Decimal	15583275
CIELab	81.56, -1.31, 75.55
CIElCh	82, 75.561, 90.995
Yxy	59.4875, 0.4434, 0.4709
Android (android.graphics.Color)	4293773355 (0xFFEDC82B)
YUV	193.1650, -74.0313, 38.4433
Hunter-Lab	77.1281, -5.3405, 45.6673

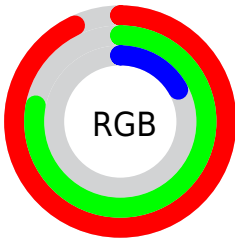
Details

The Yxy color **59.4875, 0.4434, 0.4709** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **12.3808, 0.1695, 0.1095**, and the grayscale version is **53.8512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7795, 0.3969, 0.4682**, and **30.2145, 0.4527, 0.4788** is the 20% darker color. If you saturate the color by 10%, you get **57.3006, 0.4526, 0.4744**, and if you desaturate by 10%, it is **61.8430, 0.4313, 0.4627**.

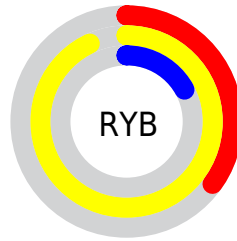
Distribution



Red (93%)

Green (78%)

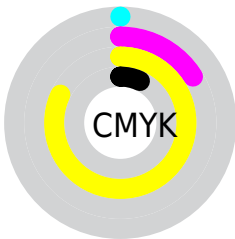
Blue (17%)



Red (35%)

Yellow (93%)

Blue (17%)

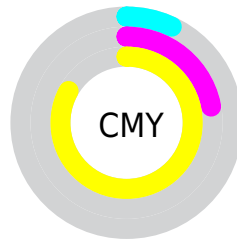


Cyan (0%)

Magenta (16%)

Yellow (82%)

Black (7%)



Cyan (7%)

Magenta (22%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4875, 0.4434, 0.4709 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 59.4875, 0.4434, 0.4709 by changing the saturation by 10% instead.


 59.4875, 0.4434,
0.4709

 59.4875, 0.4434,
0.4709


422.7061, 0.3883,
0.4105


 43.0057, 0.4530,
0.4816


 104.0859, 0.4264,
0.4521


 29.8896, 0.4630,
0.4929


 132.9712, 0.4191,
0.4441

 19.7548, 0.4724,
0.5038


 166.7598, 0.4125,
0.4369

 12.2169, 0.4833,
0.5167

 205.8361, 0.4066,
0.4305

 6.8916, 0.4825,
0.5175

 250.5845, 0.4013,
0.4247

 3.3944, 0.4812,
0.5188

 301.3894, 0.3965,

 1.3409, 0.4790,

0.4195

0.5210

358.6351, 0.3922,
0.4148

■ 0.1726, 0.4334,
0.5666

■ 0.0000, 0.0000,
0.0000

■ 59.4875, 0.4434,
0.4709

■ 59.4875, 0.4434,
0.4709

■ 57.3006, 0.4526,
0.4744


■ 61.8430, 0.4313,
0.4627

■ 55.6074, 0.4583,
0.4743


■ 64.3743, 0.4166,
0.4500

■ 67.0973, 0.4002,
0.4338

■ 70.0236, 0.3828,
0.4150

 73.1636, 0.3651,
0.3946

 76.5267, 0.3477,
0.3736

 80.1217, 0.3310,
0.3527

 83.9567, 0.3154,
0.3325

 87.9485, 0.3018,
0.3148

Harmonies

Analogous

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



59.4875, 0.4954, 0.4057



59.4875, 0.4434, 0.4709



59.4875, 0.3618, 0.5093

Triad

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



59.4875, 0.4434, 0.4709



59.4875, 0.1595, 0.2771



59.4875, 0.3317, 0.2253

Complementary

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



59.4875, 0.4434, 0.4709



12.3808, 0.1695, 0.1095

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.



59.4875, 0.2415, 0.1948



59.4875, 0.4434, 0.4709



59.4875, 0.1550, 0.2143

Square

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



59.4875, 0.4434, 0.4709



59.4875, 0.1988, 0.3789



59.4875, 0.1819, 0.1896



59.4875, 0.4306, 0.2759

Rectangle

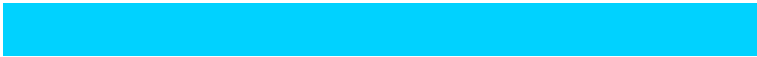
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.4875, 0.4434, 0.4709



59.4875, 0.3016, 0.4982



59.4875, 0.1819, 0.1896



59.4875, 0.2990, 0.2125

Sweetspot

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



59.4904, 0.4434, 0.4709



89.0388, 0.3533, 0.3805



20.3459, 0.5521, 0.3011



18.7582, 0.3595, 0.3880



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.



59.4904, 0.4434, 0.4709



66.0607, 0.4571, 0.4744



70.2979, 0.3709, 0.5292



17.1102, 0.3273, 0.3479



30.5480, 0.4575, 0.4749



2.5242, 0.4512, 0.4799

Inverse Universe

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



12.3808, 0.1695, 0.1095



9.7775, 0.1555, 0.0785



10.6328, 0.1904, 0.0939



15.0138, 0.2980, 0.3093



4.5129, 0.1551, 0.0784



0.4838, 0.1617, 0.1021

Previews

White Background



This preview shows how the Yxy color 59.4875, 0.4434, 0.4709 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 59.4875, 0.4434, 0.4709 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 59.4875, 0.4434, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 59.4875, 0.4434, 0.4709.



This preview shows how white text looks on a background with the Yxy color 59.4875, 0.4434, 0.4709.

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

59.4875, 0.4434, 0.4709

Protanopia

59.3877, 0.4332, 0.4781

Deuteranopia

59.1896, 0.4627, 0.4515



Tritanopia

59.2913, 0.3530, 0.3132

Trichromacy



Original Color

59.4875, 0.4434, 0.4709

Protanomaly

59.4118, 0.4365, 0.4756

Deuteranomaly

59.1919, 0.4555, 0.4590

Tritanomaly

58.5083, 0.3961, 0.3801

Monochromacy



Original Color

59.4875, 0.4434, 0.4709

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.8701, 0.3683, 0.3992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4875, 0.4434, 0.4709 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(237, 200, 43)` looks like.

```
.text, #text, p{  
    color:rgb(237, 200, 43)  
}
```

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(237, 200, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 200, 43) }
```

Border

The CSS property to change the border of an element to Yxy 59.4875, 0.4434, 0.4709 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(237, 200, 43) }
```

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

```
.border{ border-color:rgb(237, 200, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 200, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 200, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 200, 43);  
box-shadow:4px 4px 4px 4px rgb(237, 200,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4875, 0.4434, 0.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 200, 43) }
```

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

```
.background{ background-color: rgb(237,  
200, 43) }
```

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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