

Converting Colors

$Y_{xy}(59.3201, 0.4418, 0.4874)$

Have a look what the booklet for
Yxy(59.3201, 0.4418, 0.4874)
contains.

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Color

Yxy(59.5349, 0.4419, 0.4873)

Conversions

Conversions Part 1

Format	Color
Hex	E6CB00
RGB	230, 203, 0
RGB Percent	90%, 80%, 0%
CMY	0.0981, 0.2039, 0.9994
CMYK	0.00, 0.12, 1.00, 0.10
HSL	53°, 100%, 45%
HSV	53°, 100%, 90%
XYZ	53.9882, 59.5349, 8.6498
YIQ	187.9310, 81.2550, -57.4090

Conversions

Conversions Part 2

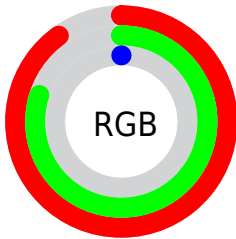
Format	Color
R _Y B	31, 230, 0
Decimal	15125248
CIE Lab	81.58, -6.54, 82.27
CIE LCh	82, 82.532, 94.544
Yxy	59.5349, 0.4419, 0.4873
Android (android.graphics.Color)	4293315328 (0xFFE6CB00)
YUV	187.9310, -92.6500, 36.8945
Hunter-Lab	77.1589, -10.1311, 47.3645

Details

The Yxy color **59.5349, 0.4419, 0.4873** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **6.5045, 0.1521, 0.0674**, and the grayscale version is **50.7621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4359, 0.4042, 0.4802**, and **30.0409, 0.4427, 0.4867** is the 20% darker color. If you saturate the color by 10%, you get **59.5284, 0.4419, 0.4873**, and if you desaturate by 10%, it is **60.8866, 0.4371, 0.4857**.

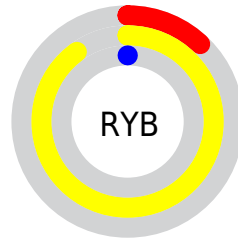
Distribution



Red (90%)

Green (80%)

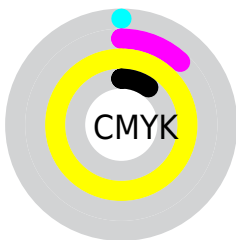
Blue (0%)



Red (12%)

Yellow (90%)

Blue (0%)

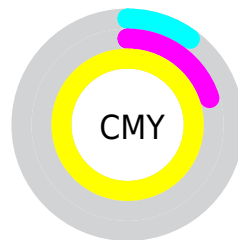


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5349, 0.4419, 0.4873 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 59.5349, 0.4419, 0.4873 by changing the saturation by 10% instead.


 59.5349, 0.4419,
0.4873

 59.5349, 0.4419,
0.4873

422.8813, 0.3899,
0.4204

 43.0439, 0.4499,
0.4988

 104.1547, 0.4267,
0.4667

 29.9195, 0.4575,
0.5107


 133.0522, 0.4198,
0.4579


 19.7775, 0.4645,
0.5232


 166.8540, 0.4136,
0.4499

 12.2334, 0.4673,
0.5327

 205.9446, 0.4079,
0.4427

 6.9029, 0.4631,
0.5369

 250.7081, 0.4028,
0.4362

 3.4014, 0.4565,
0.5435

 301.5292, 0.3981,

 1.3447, 0.4451,

0.4304

0.5549

358.7921, 0.3938,
0.4251

■ 0.1754, 0.0391,
0.9609

■ 0.0000, 0.0000,
0.0000

■ 59.5349, 0.4419,
0.4873

■ 59.5349, 0.4419,
0.4873

■ 59.5284, 0.4419,
0.4873

■ 60.8866, 0.4371,
0.4857

■ 62.3317, 0.4297,
0.4802

■ 63.8963, 0.4196,
0.4701

■ 65.5941, 0.4070,
0.4558

■ 67.4368, 0.3925,
0.4380

■ 69.4343, 0.3766,
0.4176

■ 71.5958, 0.3602,
0.3957

■ 73.9296, 0.3438,
0.3731

■ 76.4433, 0.3278,
0.3506

Harmonies

Analogous

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



59.5349, 0.5049, 0.4167



59.5349, 0.4419, 0.4873



59.5349, 0.3516, 0.5270

Triad

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



59.5349, 0.4419, 0.4873



59.5349, 0.1461, 0.2608



59.5349, 0.3458, 0.2230

Complementary

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



59.5349, 0.4419, 0.4873



6.5045, 0.1521, 0.0674

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.



59.5349, 0.2453, 0.1880



59.5349, 0.4419, 0.4873



59.5349, 0.1459, 0.2000

Square

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



59.5349, 0.4419, 0.4873



59.5349, 0.1822, 0.3683



59.5349, 0.1781, 0.1789



59.5349, 0.4523, 0.2785

Rectangle

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



59.5349, 0.4419, 0.4873



59.5349, 0.2872, 0.5096



59.5349, 0.1781, 0.1789



59.5349, 0.3095, 0.2087

Sweetspot

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



59.5378, 0.4419, 0.4873



90.4169, 0.3606, 0.3962



16.9233, 0.6248, 0.3216



19.0999, 0.3676, 0.4056



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.



59.5378, 0.4419, 0.4873



75.1426, 0.4421, 0.4872



62.6757, 0.3556, 0.5558



16.5130, 0.3270, 0.3496



33.8219, 0.4415, 0.4876



2.5815, 0.4378, 0.4906

Inverse Universe

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



6.5045, 0.1521, 0.0674



8.1455, 0.1519, 0.0668



7.6212, 0.1780, 0.0755



14.1583, 0.2980, 0.3076



3.7693, 0.1525, 0.0688



0.3690, 0.1578, 0.0879

Previews

White Background



This preview shows how the Yxy color 59.5349, 0.4419, 0.4873 looks on a white background.

Color Contrast Check

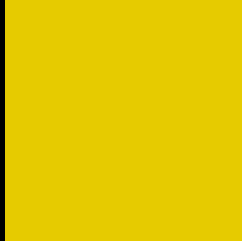
Large Text (above 18pt) WCAG AA × Fail

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 59.5349, 0.4419, 0.4873 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 59.5349, 0.4419, 0.4873

Background



This preview shows how black text looks on a background with the Yxy color 59.5349, 0.4419, 0.4873.

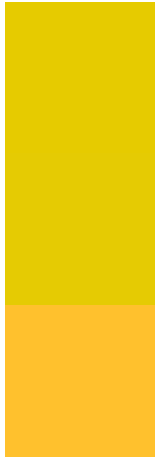


This preview shows how white text looks on a background with the Yxy color 59.5349, 0.4419, 0.4873.

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

59.5349, 0.4419, 0.4873

Protanopia

59.3765, 0.4408, 0.4876

Deuteranopia

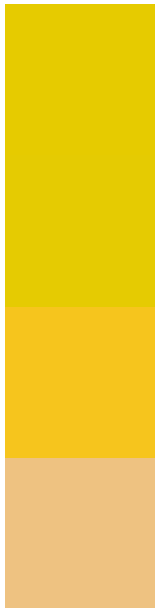
59.5894, 0.4635, 0.4543



Tritanopia

59.5842, 0.3457, 0.3141

Trichromacy



Original Color

59.5349, 0.4419, 0.4873

Protanomaly

59.3743, 0.4409, 0.4877

Deuteranomaly

59.6140, 0.4567, 0.4679

Tritanomaly

58.3457, 0.4013, 0.4002

Monochromacy



Original Color

59.5349, 0.4419, 0.4873

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

52.1925, 0.3778, 0.4187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5349, 0.4419, 0.4873 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(230, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 203, 0)  
}
```

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(230, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 203, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.5349, 0.4419, 0.4873 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(230, 203, 0) }
```

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

```
.border{ border-color:rgb(230, 203, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 203, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 203, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 203, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 203,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5349, 0.4419, 0.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 203, 0) }
```

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

```
.background{ background-color: rgb(230,  
203, 0) }
```

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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