

Converting Colors

Yxy(59.1833, 0.4420, 0.4872)

Have a look what the booklet for
Yxy(59.1833, 0.4420, 0.4872)
contains.

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Color

Yxy(58.8991, 0.4420, 0.4872)

Conversions

Conversions Part 1

Format	Color
Hex	E5CA00
RGB	229, 202, 0
RGB Percent	90%, 79%, 0%
CMY	0.1020, 0.2078, 0.9990
CMYK	0.00, 0.12, 1.00, 0.10
HSL	53°, 100%, 45%
HSV	53°, 100%, 90%
XYZ	53.4347, 58.8991, 8.5592
YIQ	187.0450, 80.9340, -57.0980

Conversions

Conversions Part 2

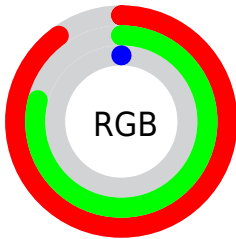
Format	Color
R _Y B	31, 229, 0
Decimal	15059456
CIE Lab	81.24, -6.46, 81.97
CIE LCh	81, 82.227, 94.503
Yxy	58.8991, 0.4420, 0.4872
Android (android.graphics.Color)	4293249536 (0xFFE5CA00)
YUV	187.0450, -92.2132, 36.7945
Hunter-Lab	76.7457, -10.0233, 47.1096

Details

The Yxy color **58.8991, 0.4420, 0.4872** 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 **6.4546, 0.1521, 0.0675**, and the grayscale version is **50.2360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4359, 0.4042, 0.4802**, and **29.6148, 0.4428, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **58.8868, 0.4420, 0.4872**, and if you desaturate by 10%, it is **60.2433, 0.4371, 0.4856**.

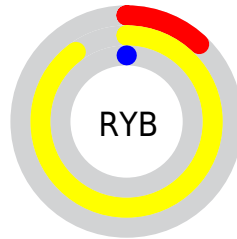
Distribution



Red (90%)

Green (79%)

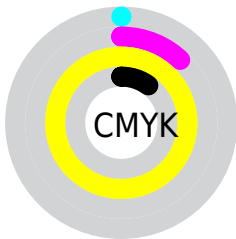
Blue (0%)



Red (12%)

Yellow (90%)

Blue (0%)

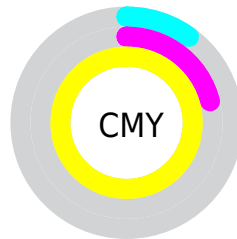


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8991, 0.4420, 0.4872 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 58.8991, 0.4420, 0.4872 by changing the saturation by 10% instead.


 58.8991, 0.4420,
0.4872


 58.8991, 0.4420,
0.4872

420.5279, 0.3898,
0.4202

 42.5319, 0.4501,
0.4988


 103.2310, 0.4267,
0.4666


 29.5180, 0.4577,
0.5107


 131.9645, 0.4199,
0.4577

 19.4730, 0.4648,
0.5232


 165.5889, 0.4136,
0.4497

 12.0126, 0.4675,
0.5325

 204.4885, 0.4079,
0.4425

 6.7522, 0.4632,
0.5368

 249.0479, 0.4027,
0.4361

 3.3076, 0.4566,
0.5434

 299.6513, 0.3980,

 1.2944, 0.4451,

0.4302

0.5549

356.6832, 0.3938,
0.4250

■ 0.1368, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8991, 0.4420,
0.4872

■ 58.8991, 0.4420,
0.4872

■ 58.8868, 0.4420,
0.4872

■ 60.2433, 0.4371,
0.4856

■ 61.6803, 0.4298,
0.4801

■ 63.2360, 0.4196,
0.4700

■ 64.9238, 0.4070,
0.4557

■ 66.7553, 0.3924,
0.4378

■ 68.7403, 0.3766,
0.4175

■ 70.8879, 0.3601,
0.3955

■ 73.2063, 0.3437,
0.3729

■ 75.7030, 0.3277,
0.3505

Harmonies

Analogous

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



58.8991, 0.5049, 0.4166



58.8991, 0.4420, 0.4872



58.8991, 0.3517, 0.5269

Triad

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



58.8991, 0.4420, 0.4872



58.8991, 0.1461, 0.2610



58.8991, 0.3457, 0.2230

Complementary

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



58.8991, 0.4420, 0.4872



6.4546, 0.1521, 0.0675

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.



58.8991, 0.2452, 0.1880



58.8991, 0.4420, 0.4872



58.8991, 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.



58.8991, 0.4420, 0.4872



58.8991, 0.1823, 0.3684



58.8991, 0.1780, 0.1789



58.8991, 0.4522, 0.2784

Rectangle

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



58.8991, 0.4420, 0.4872



58.8991, 0.2874, 0.5096



58.8991, 0.1780, 0.1789



58.8991, 0.3094, 0.2087

Sweetspot

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



58.9019, 0.4420, 0.4872



90.3889, 0.3606, 0.3962



16.7613, 0.6247, 0.3216



19.0931, 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.



58.9019, 0.4420, 0.4872



75.0597, 0.4422, 0.4871



62.0704, 0.3556, 0.5558



16.5115, 0.3270, 0.3495



33.7854, 0.4416, 0.4875



2.5791, 0.4379, 0.4905

Inverse Universe

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



6.4546, 0.1521, 0.0675



8.1533, 0.1519, 0.0669



7.5538, 0.1781, 0.0755



14.1597, 0.2980, 0.3076



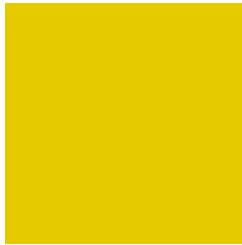
3.7732, 0.1525, 0.0689



0.3697, 0.1578, 0.0880

Previews

White Background



This preview shows how the Yxy color 58.8991, 0.4420, 0.4872 looks on a white background.

Color Contrast Check

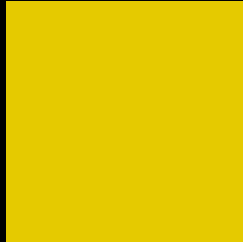
Large Text (above 18pt) WCAG AA × Fail

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 58.8991, 0.4420, 0.4872 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 58.8991, 0.4420, 0.4872

Background



This preview shows how black text looks on a background with the Yxy color 58.8991, 0.4420, 0.4872.

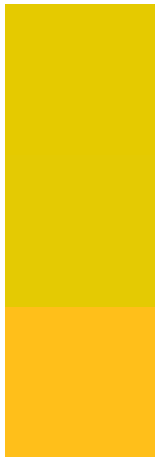


This preview shows how white text looks on a background with the Yxy color 58.8991, 0.4420, 0.4872.

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

58.8991, 0.4420, 0.4872

Protanopia

58.7416, 0.4409, 0.4875

Deuteranopia

58.5962, 0.4700, 0.4586



Tritanopia

58.9315, 0.3459, 0.3140

Trichromacy



Original Color

58.8991, 0.4420, 0.4872

Protanomaly

58.7394, 0.4410, 0.4876

Deuteranomaly

58.6635, 0.4606, 0.4689

Tritanomaly

57.7294, 0.4010, 0.3994

Monochromacy



Original Color

58.8991, 0.4420, 0.4872

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.5877, 0.3781, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8991, 0.4420, 0.4872 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(229, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 202, 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(229, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 202, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.8991, 0.4420, 0.4872 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(229, 202, 0) }
```

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

```
.border{ border-color:rgb(229, 202, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 202, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 202,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8991, 0.4420, 0.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 202, 0) }
```

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

```
.background{ background-color: rgb(229,  
202, 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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