

Converting Colors

$Y_{xy}(72.5655, 0.4170, 0.5014)$

Have a look what the booklet for
Yxy(72.5655, 0.4170, 0.5014)
contains.

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Color

Yxy(72.7712, 0.4170, 0.5014)

Conversions

Conversions Part 1

Format	Color
Hex	E5E51A
RGB	229, 229, 26
RGB Percent	90%, 90%, 10%
CMY	0.1019, 0.1019, 0.8974
CMYK	0.00, 0.00, 0.89, 0.10
HSL	60°, 80%, 50%
HSV	60°, 89%, 90%
XYZ	60.5217, 72.7712, 11.8431
YIQ	205.8580, 65.1630, -63.1330

Conversions

Conversions Part 2

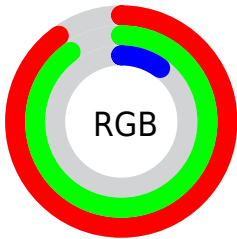
Format	Color
R _Y B	26, 229, 26
Decimal	15066394
CIE Lab	88.34, -19.58, 84.42
CIE LCh	88, 86.664, 103.056
Yxy	72.7712, 0.4170, 0.5014
Android (android.graphics.Color)	4293256474 (0xFFE5E51A)
YUV	205.8580, -88.6700, 20.2955
Hunter-Lab	85.3060, -22.6459, 51.4830

Details

The Yxy color **72.7712, 0.4170, 0.5014** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **6.6261, 0.1554, 0.0689**, and the grayscale version is **62.1881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6618, 0.3994, 0.4723**, and **38.7071, 0.4144, 0.5092** is the 20% darker color. If you saturate the color by 10%, you get **72.7063, 0.4191, 0.5049**, and if you desaturate by 10%, it is **72.9218, 0.4126, 0.4941**.

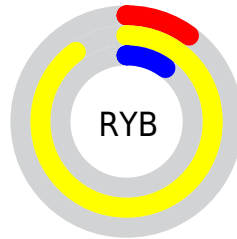
Distribution



Red (90%)

Green (90%)

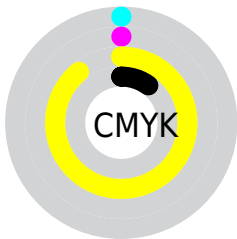
Blue (10%)



Red (10%)

Yellow (90%)

Blue (10%)

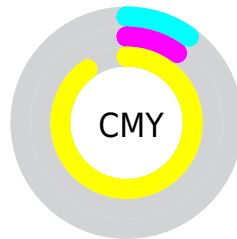


Cyan (0%)

Magenta (0%)

Yellow (89%)

Black (10%)



Cyan (10%)


Magenta (10%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7712, 0.4170, 0.5014 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 72.7712, 0.4170, 0.5014 by changing the saturation by 10% instead.


 72.7712, 0.4170,
0.5014


 72.7712, 0.4170,
0.5014


470.2214, 0.3782,
0.4271


 53.7889, 0.4223,
0.5152

 123.1523, 0.4062,
0.4779


 38.4329, 0.4270,
0.5304


 155.3200, 0.4012,
0.4680


 26.3189, 0.4299,
0.5465


 192.6515, 0.3965,
0.4592

 17.0623, 0.4328,
0.5672

 235.5313, 0.3922,
0.4514

 10.2789, 0.4225,
0.5775

 284.3438, 0.3883,
0.4443

 5.5843, 0.4073,
0.5927


 339.4734, 0.3846,


 2.5940, 0.3831,


0.4380


0.6169


401.3045, 0.3813,
0.4323


 0.9236, 0.3019,
0.6981


 0.0000, 0.0000,
0.0000


 72.7712, 0.4170,
0.5014


 72.7712, 0.4170,
0.5014


 72.7063, 0.4191,
0.5049


 72.9218, 0.4126,
0.4941

 72.6991, 0.4193,
0.5053

 73.1671, 0.4055,
0.4824

 73.5236, 0.3959,
0.4665

 74.0025, 0.3840,
0.4469

 74.6134, 0.3705,
0.4245

 75.3652, 0.3558,
0.4002

 76.2657, 0.3406,
0.3751

 77.3226, 0.3254,
0.3500

 78.5425, 0.3106,
0.3256

Harmonies

Analogous

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



72.7712, 0.4889, 0.4366



72.7712, 0.4170, 0.5014



72.7712, 0.3244, 0.5212

Triad

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



72.7712, 0.4170, 0.5014



72.7712, 0.1450, 0.2405



72.7712, 0.3765, 0.2384

Complementary

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



72.7712, 0.4170, 0.5014



6.6261, 0.1554, 0.0689

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.



72.7712, 0.2717, 0.1973



72.7712, 0.4170, 0.5014



72.7712, 0.1539, 0.1925

Square

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



72.7712, 0.4170, 0.5014



72.7712, 0.1702, 0.3340



72.7712, 0.1952, 0.1807



72.7712, 0.4735, 0.2973

Rectangle

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



72.7712, 0.4170, 0.5014



72.7712, 0.2621, 0.4854



72.7712, 0.1952, 0.1807



72.7712, 0.3400, 0.2223

Sweetspot

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



72.7746, 0.4170, 0.5014



96.3311, 0.3537, 0.3967



17.4969, 0.6181, 0.3286



20.5419, 0.3588, 0.4052



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.



72.7746, 0.4170, 0.5014



92.7783, 0.4193, 0.5053



60.9399, 0.3438, 0.5577



16.8172, 0.3268, 0.3522



41.5636, 0.4193, 0.5053



3.0714, 0.4193, 0.5053

Inverse Universe

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



6.6261, 0.1554, 0.0689



7.2201, 0.1500, 0.0600



10.7048, 0.2106, 0.0986



13.8872, 0.2980, 0.3047



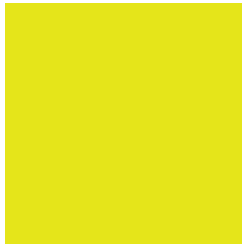
3.2345, 0.1500, 0.0600



0.2390, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 72.7712, 0.4170, 0.5014 looks on a white background.

Color Contrast Check

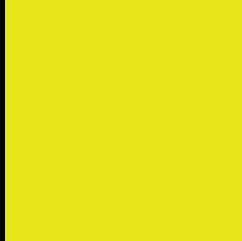
Large Text (above 18pt) WCAG AA × Fail

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 72.7712, 0.4170, 0.5014 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 72.7712, 0.4170, 0.5014

Background



This preview shows how black text looks on a background with the Yxy color 72.7712, 0.4170, 0.5014.



This preview shows how white text looks on a background with the Yxy color 72.7712, 0.4170, 0.5014.

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

72.7712, 0.4170, 0.5014

Protanopia

72.6325, 0.4388, 0.4850

Deuteranopia

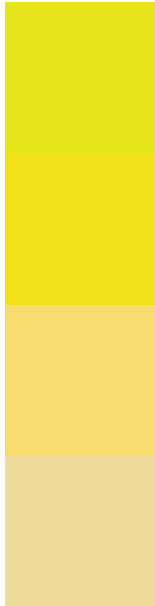
72.2952, 0.3851, 0.3887



Tritanopia

72.5348, 0.3238, 0.3116

Trichromacy



Original Color

72.7712, 0.4170, 0.5014

Protanomaly

72.7979, 0.4302, 0.4914

Deuteranomaly

71.8834, 0.4069, 0.4408

Tritanomaly

71.4141, 0.3717, 0.3966

Monochromacy



Original Color

72.7712, 0.4170, 0.5014

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

64.3124, 0.3638, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7712, 0.4170, 0.5014 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, 229, 26)` looks like.

```
.text, #text, p{  
    color:rgb(229, 229, 26)  
}
```

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, 229, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 229, 26) }
```

Border

The CSS property to change the border of an element to Yxy 72.7712, 0.4170, 0.5014 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, 229, 26) }
```

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

```
.border{ border-color:rgb(229, 229, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 229, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 229, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 229, 26);  
box-shadow:4px 4px 4px 4px rgb(229, 229,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7712, 0.4170, 0.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 229, 26) }
```

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

```
.background{ background-color: rgb(229,  
229, 26) }
```

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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