

Converting Colors

$Y_{xy}(71.0194, 0.4173, 0.5057)$

Have a look what the booklet for
Yxy(71.0194, 0.4173, 0.5057)
contains.

Yxy(70.9611, 0.4173, 0.5057)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.9611, 0.4173, 0.5057)

Conversions

Conversions Part 1

Format	Color
Hex	E1E307
RGB	225, 227, 7
RGB Percent	88%, 89%, 3%
CMY	0.1177, 0.1098, 0.9734
CMYK	0.01, 0.00, 0.97, 0.11
HSL	61°, 94%, 46%
HSV	61°, 97%, 89%
XYZ	58.5566, 70.9611, 10.8048
YIQ	201.3220, 69.4280, -68.8440

Conversions

Conversions Part 2

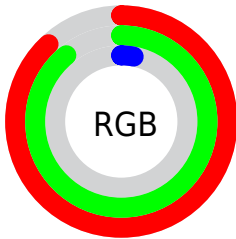
Format	Color
R _Y B	7, 227, 9
Decimal	14803719
CIE Lab	87.47, -20.52, 85.80
CIE LCh	87, 88.217, 103.453
Yxy	70.9611, 0.4173, 0.5057
Android (android.graphics.Color)	4292993799 (0xFFE1E307)
YUV	201.3220, -95.8007, 20.7656
Hunter-Lab	84.2384, -23.3366, 51.3621

Details

The Yxy color **70.9611, 0.4173, 0.5057** 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 **5.7509, 0.1513, 0.0619**, and the grayscale version is **59.1806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **37.5044, 0.4123, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **70.9395, 0.4177, 0.5065**, and if you desaturate by 10%, it is **71.0741, 0.4151, 0.5016**.

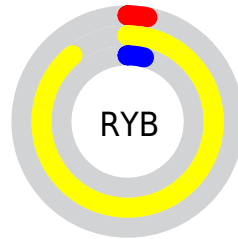
Distribution



Red (88%)

Green (89%)

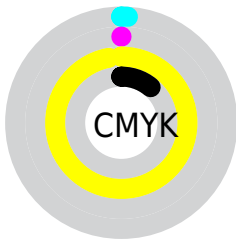
Blue (3%)



Red (3%)

Yellow (89%)

Blue (4%)

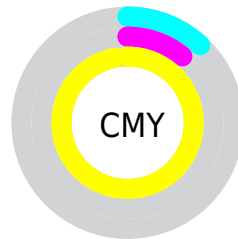


Cyan (1%)

Magenta (0%)

Yellow (97%)

Black (11%)



Cyan (12%)


Magenta (11%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9611, 0.4173, 0.5057 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 70.9611, 0.4173, 0.5057 by changing the saturation by 10% instead.


 70.9611, 0.4173,
0.5057


 70.9611, 0.4173,
0.5057


463.9174, 0.3788,
0.4295


 52.3105, 0.4223,
0.5198


 120.5783, 0.4068,
0.4816

 37.2526, 0.4265,
0.5352


 152.3137, 0.4019,
0.4715


 25.4031, 0.4286,
0.5513


 189.1795, 0.3972,
0.4625

 16.3776, 0.4293,
0.5707

 231.5600, 0.3929,
0.4544

 9.7918, 0.4181,
0.5819

 279.8396, 0.3890,
0.4472

 5.2611, 0.4016,
0.5984


 334.4028, 0.3853,

 2.4013, 0.3749,


0.4407


0.6251


395.6340, 0.3819,
0.4348


 0.8265, 0.2561,
0.7439


 0.0000, 0.0000,
0.0000


 70.9611, 0.4173,
0.5057


 70.9611, 0.4173,
0.5057

 70.9395, 0.4177,
0.5065

 71.0741, 0.4151,
0.5016

 71.2661, 0.4104,
0.4934

 71.5564, 0.4030,
0.4808

 71.9576, 0.3932,
0.4641

■ 72.4803, 0.3812,
0.4438

■ 73.1337, 0.3676,
0.4209

■ 73.9264, 0.3530,
0.3964

■ 74.8660, 0.3380,
0.3712

■ 75.9599, 0.3230,
0.3461

Harmonies

Analogous

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



70.9611, 0.4916, 0.4388



70.9611, 0.4173, 0.5057



70.9611, 0.3226, 0.5264

Triad

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



70.9611, 0.4173, 0.5057



70.9611, 0.1416, 0.2371



70.9611, 0.3795, 0.2371

Complementary

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



70.9611, 0.4173, 0.5057



5.7509, 0.1513, 0.0619

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.



70.9611, 0.2718, 0.1951



70.9611, 0.4173, 0.5057



70.9611, 0.1511, 0.1892

Square

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



70.9611, 0.4173, 0.5057



70.9611, 0.1663, 0.3322



70.9611, 0.1934, 0.1778



70.9611, 0.4787, 0.2971

Rectangle

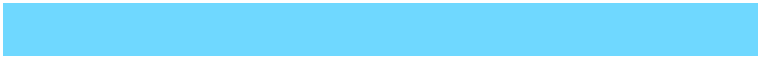
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9611, 0.4173, 0.5057



70.9611, 0.2592, 0.4891



70.9611, 0.1934, 0.1778



70.9611, 0.3419, 0.2207

Sweetspot

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



70.9644, 0.4173, 0.5057



95.9902, 0.3562, 0.4018



16.4947, 0.6360, 0.3300



20.4499, 0.3625, 0.4124



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.



70.9644, 0.4173, 0.5057



92.3402, 0.4177, 0.5065



58.7329, 0.3373, 0.5688



16.8101, 0.3266, 0.3522



41.3716, 0.4177, 0.5065



3.0594, 0.4180, 0.5063

Inverse Universe

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



5.7509, 0.1513, 0.0619



7.2351, 0.1502, 0.0601



9.4692, 0.2042, 0.0909



13.8934, 0.2981, 0.3047



3.2450, 0.1503, 0.0602



0.2420, 0.1511, 0.0606

Previews

White Background



This preview shows how the Yxy color 70.9611, 0.4173, 0.5057 looks on a white background.

Color Contrast Check

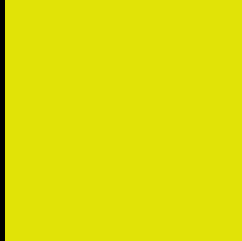
Large Text (above 18pt) WCAG AA × Fail

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 70.9611, 0.4173, 0.5057 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 70.9611, 0.4173, 0.5057

Background



This preview shows how black text looks on a background with the Yxy color 70.9611, 0.4173, 0.5057.



This preview shows how white text looks on a background with the Yxy color 70.9611, 0.4173, 0.5057.

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

70.9611, 0.4173, 0.5057

Protanopia

70.9606, 0.4403, 0.4886

Deuteranopia

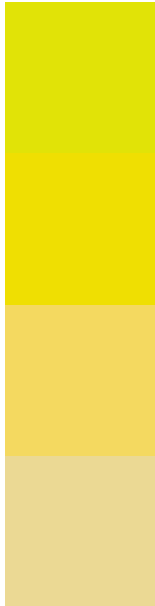
70.4536, 0.3935, 0.3958



Tritanopia

70.7152, 0.3224, 0.3113

Trichromacy



Original Color

70.9611, 0.4173, 0.5057

Protanomaly

71.1305, 0.4316, 0.4952

Deuteranomaly

69.7033, 0.4142, 0.4495

Tritanomaly

69.4260, 0.3748, 0.4040

Monochromacy



Original Color

70.9611, 0.4173, 0.5057

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

61.4065, 0.3695, 0.4229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9611, 0.4173, 0.5057 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(225, 227, 7)` looks like.

```
.text, #text, p{  
    color:rgb(225, 227, 7)  
}
```

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(225, 227, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 227, 7) }
```

Border

The CSS property to change the border of an element to Yxy 70.9611, 0.4173, 0.5057 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(225, 227, 7) }
```

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

```
.border{ border-color:rgb(225, 227, 7) }
```

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

Here you see how a box with a 4 pixel rgb(225, 227, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 227, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 227, 7);  
box-shadow:4px 4px 4px 4px rgb(225, 227,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9611, 0.4173, 0.5057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 227, 7) }
```

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

```
.background{ background-color: rgb(225,  
227, 7) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor