

Converting Colors

$Y_{xy}(70.8491, 0.4160, 0.5052)$

Have a look what the booklet for
Yxy(70.8491, 0.4160, 0.5052)
contains.

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Color

Yxy(70.8200, 0.4159, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	E0E30F
RGB	224, 227, 15
RGB Percent	88%, 89%, 6%
CMY	0.1217, 0.1098, 0.9416
CMYK	0.01, 0.00, 0.93, 0.11
HSL	61°, 88%, 47%
HSV	61°, 93%, 89%
XYZ	58.2902, 70.8200, 11.0442
YIQ	201.9350, 66.2640, -66.5680

Conversions

Conversions Part 2

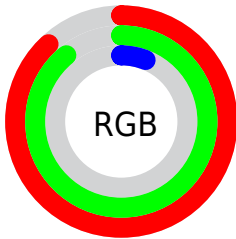
Format	Color
RYB	15, 227, 18
Decimal	14738191
CIELab	87.40, -20.87, 85.00
CIELCh	87, 87.525, 103.798
Yxy	70.8200, 0.4159, 0.5053
Android (android.graphics.Color)	4292928271 (0xFFE0E30F)
YUV	201.9350, -92.1590, 19.3510
Hunter-Lab	84.1546, -23.6315, 51.1272

Details

The Yxy color **70.8200, 0.4159, 0.5053** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **6.0130, 0.1530, 0.0644**, and the grayscale version is **59.5674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **37.3976, 0.4113, 0.5116** is the 20% darker color. If you saturate the color by 10%, you get **70.7551, 0.4168, 0.5072**, and if you desaturate by 10%, it is **70.9784, 0.4129, 0.4997**.

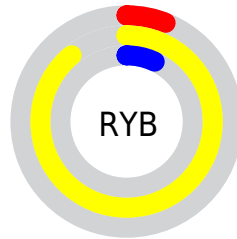
Distribution



Red (88%)

Green (89%)

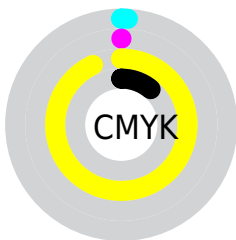
Blue (6%)



Red (6%)

Yellow (89%)

Blue (7%)

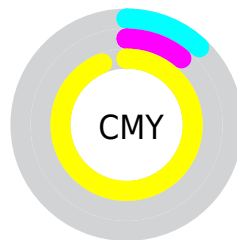


Cyan (1%)

Magenta (0%)

Yellow (93%)

Black (11%)



Cyan (12%)


Magenta (11%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8200, 0.4159, 0.5053 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 70.8200, 0.4159, 0.5053 by changing the saturation by 10% instead.


 70.8200, 0.4159,
0.5053

 70.8200, 0.4159,
0.5053


463.4240, 0.3778,
0.4290


 52.1953, 0.4209,
0.5195

 120.3774, 0.4055,
0.4811


 37.1608, 0.4251,
0.5351


 152.0789, 0.4006,
0.4709

 25.3320, 0.4272,
0.5516


 188.9081, 0.3960,
0.4619

 16.3246, 0.4282,
0.5718

 231.2495, 0.3918,
0.4538

 9.7541, 0.4168,
0.5832

 279.4873, 0.3878,
0.4466

 5.2362, 0.3999,
0.6001


 334.0061, 0.3842,

 2.3865, 0.3727,

0.4401


0.6273


395.1902, 0.3809,
0.4343

 0.8189, 0.2471,
0.7529


 0.0000, 0.0000,
0.0000


 70.8200, 0.4159,
0.5053


 70.8200, 0.4159,
0.5053

 70.7551, 0.4168,
0.5072

 70.9784, 0.4129,
0.4997

 71.2224, 0.4074,
0.4899

 71.5696, 0.3992,
0.4756

 72.0317, 0.3887,
0.4575

■ 72.6187, 0.3761,
0.4361

■ 73.3396, 0.3622,
0.4124

■ 74.2028, 0.3475,
0.3875

■ 75.2156, 0.3325,
0.3622

■ 76.3850, 0.3177,
0.3374

Harmonies

Analogous

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



70.8200, 0.4900, 0.4393



70.8200, 0.4159, 0.5053



70.8200, 0.3217, 0.5246

Triad

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



70.8200, 0.4159, 0.5053



70.8200, 0.1424, 0.2370



70.8200, 0.3803, 0.2383

Complementary

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



70.8200, 0.4159, 0.5053



6.0130, 0.1530, 0.0644

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.



70.8200, 0.2733, 0.1962



70.8200, 0.4159, 0.5053



70.8200, 0.1523, 0.1897

Square

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



70.8200, 0.4159, 0.5053



70.8200, 0.1667, 0.3309



70.8200, 0.1948, 0.1787



70.8200, 0.4784, 0.2982

Rectangle

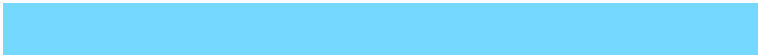
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8200, 0.4159, 0.5053



70.8200, 0.2586, 0.4867



70.8200, 0.1948, 0.1787



70.8200, 0.3431, 0.2218

Sweetspot

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



70.8233, 0.4159, 0.5053



96.0307, 0.3545, 0.3994



16.7056, 0.6308, 0.3299



20.4535, 0.3609, 0.4102



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.



70.8233, 0.4159, 0.5053



92.0946, 0.4168, 0.5073



59.0408, 0.3393, 0.5652



16.8062, 0.3265, 0.3522



41.2640, 0.4169, 0.5072



3.0527, 0.4172, 0.5069

Inverse Universe

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



6.0130, 0.1530, 0.0644



7.2435, 0.1503, 0.0602



9.9464, 0.2081, 0.0945



13.8970, 0.2982, 0.3047



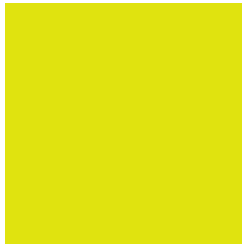
3.2510, 0.1505, 0.0603



0.2437, 0.1518, 0.0610

Previews

White Background



This preview shows how the Yxy color 70.8200, 0.4159, 0.5053 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 70.8200, 0.4159, 0.5053 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 70.8200, 0.4159, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 70.8200, 0.4159, 0.5053.



This preview shows how white text looks on a background with the Yxy color 70.8200, 0.4159, 0.5053.

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

70.8200, 0.4159, 0.5053

Protanopia

70.4569, 0.4405, 0.4869

Deuteranopia

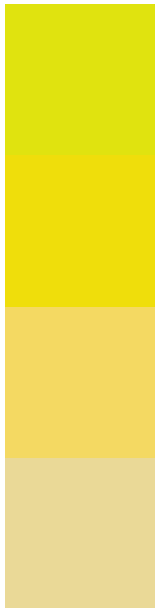
70.4223, 0.3942, 0.3968



Tritanopia

70.5407, 0.3217, 0.3113

Trichromacy



Original Color

70.8200, 0.4159, 0.5053

Protanomaly

70.6174, 0.4318, 0.4935

Deuteranomaly

69.7406, 0.4132, 0.4479

Tritanomaly

69.3525, 0.3719, 0.4010

Monochromacy



Original Color

70.8200, 0.4159, 0.5053

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

62.0114, 0.3664, 0.4194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8200, 0.4159, 0.5053 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(224, 227, 15)` looks like.

```
.text, #text, p{  
    color:rgb(224, 227, 15)  
}
```

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(224, 227, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 227, 15) }
```

Border

The CSS property to change the border of an element to Yxy 70.8200, 0.4159, 0.5053 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(224, 227, 15) }
```

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

```
.border{ border-color:rgb(224, 227, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 227, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 227, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 227, 15);  
box-shadow:4px 4px 4px 4px rgb(224, 227,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8200, 0.4159, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 227, 15) }
```

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

```
.background{ background-color: rgb(224,  
227, 15) }
```

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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