

Converting Colors

$Y_{xy}(70.3913, 0.4063, 0.5156)$

Have a look what the booklet for
Yxy(70.3913, 0.4063, 0.5156)
contains.

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Color

Yxy(70.1848, 0.4070, 0.5150)

Conversions

Conversions Part 1

Format	Color
Hex	D5E500
RGB	213, 229, 0
RGB Percent	84%, 90%, 0%
CMY	0.1646, 0.1020, 0.9990
CMYK	0.07, 0.00, 1.00, 0.10
HSL	64°, 100%, 45%
HSV	64°, 100%, 90%
XYZ	55.4664, 70.1848, 10.6299
YIQ	198.1100, 63.9730, -74.6110

Conversions

Conversions Part 2

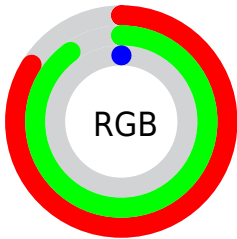
Format	Color
RYB	0, 229, 16
Decimal	14017792
CIELab	87.09, -26.51, 85.65
CIELCh	87, 89.655, 107.200
Yxy	70.1848, 0.4070, 0.5150
Android (android.graphics.Color)	4292207872 (0xFFD5E500)
YUV	198.1100, -97.6682, 13.0585
Hunter-Lab	83.7764, -28.4278, 51.1205

Details

The Yxy color **70.1848, 0.4070, 0.5150** 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 **5.7746, 0.1518, 0.0610**, and the grayscale version is **57.1408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **37.0444, 0.3983, 0.5219** is the 20% darker color. If you saturate the color by 10%, you get **70.1849, 0.4070, 0.5150**, and if you desaturate by 10%, it is **70.4903, 0.4063, 0.5106**.

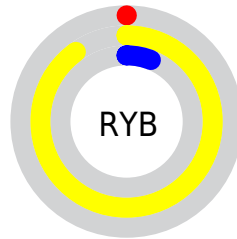
Distribution



Red (84%)

Green (90%)

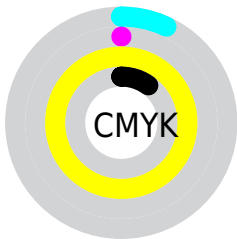
Blue (0%)



Red (0%)

Yellow (90%)

Blue (6%)

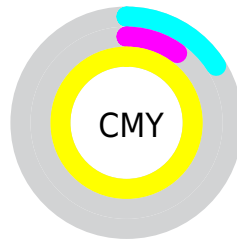


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (16%)


Magenta (10%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1848, 0.4070, 0.5150 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 70.1848, 0.4070, 0.5150 by changing the saturation by 10% instead.

 70.1848, 0.4070,
0.5150


 70.1848, 0.4070,
0.5150


461.1986, 0.3736,
0.4332

 51.6772, 0.4108,
0.5306

 119.4723, 0.3983,
0.4888

 36.7478, 0.4134,
0.5478


 151.0209, 0.3941,
0.4778


 25.0123, 0.4135,
0.5663

 187.6854, 0.3900,
0.4682

 16.0862, 0.4113,
0.5887

 229.8500, 0.3862,
0.4595

 9.5852, 0.3965,
0.6035

 277.8993, 0.3827,
0.4519

 5.1248, 0.3745,
0.6255


 332.2175, 0.3794,

 2.3207, 0.3390,


0.4450


0.6610


393.1892, 0.3764,
0.4388


 0.7846, 0.1116,
0.8884


 0.0000, 0.0000,
0.0000

 70.1848, 0.4070,
0.5150


 70.1848, 0.4070,
0.5150

 70.1849, 0.4070,
0.5150

 70.4903, 0.4063,
0.5106

 70.8682, 0.4034,
0.5025

 71.3447, 0.3979,
0.4899

 71.9332, 0.3899,
0.4730

■ 72.6450, 0.3795,
0.4525

■ 73.4901, 0.3674,
0.4293

■ 74.4772, 0.3542,
0.4044

■ 75.6145, 0.3403,
0.3788

■ 76.9096, 0.3263,
0.3534

Harmonies

Analogous

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



70.1848, 0.4867, 0.4491



70.1848, 0.4070, 0.5150



70.1848, 0.3098, 0.5272

Triad

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



70.1848, 0.4070, 0.5150



70.1848, 0.1384, 0.2267



70.1848, 0.3949, 0.2424

Complementary

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



70.1848, 0.4070, 0.5150



5.7746, 0.1518, 0.0610

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.



70.1848, 0.2834, 0.1971



70.1848, 0.4070, 0.5150



70.1848, 0.1522, 0.1837

Square

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



70.1848, 0.4070, 0.5150



70.1848, 0.1586, 0.3172



70.1848, 0.1993, 0.1762



70.1848, 0.4912, 0.3046

Rectangle

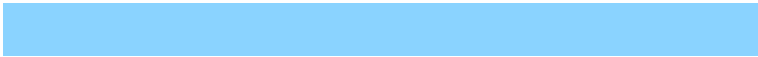
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1848, 0.4070, 0.5150



70.1848, 0.2465, 0.4809



70.1848, 0.1993, 0.1762



70.1848, 0.3566, 0.2249

Sweetspot

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



70.1880, 0.4070, 0.5150



95.0154, 0.3546, 0.4052



17.0142, 0.6360, 0.3331



20.2184, 0.3603, 0.4159



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.



70.1880, 0.4070, 0.5150



89.5579, 0.4069, 0.5151



58.7120, 0.3271, 0.5784



16.7633, 0.3257, 0.3523



40.1510, 0.4072, 0.5149



2.9825, 0.4091, 0.5134

Inverse Universe

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



5.7746, 0.1518, 0.0610



7.3467, 0.1516, 0.0609



10.3984, 0.2148, 0.0957



13.9350, 0.2991, 0.3048



3.3160, 0.1523, 0.0612



0.2620, 0.1584, 0.0646

Previews

White Background



This preview shows how the Yxy color 70.1848, 0.4070, 0.5150 looks on a white background.

Color Contrast Check

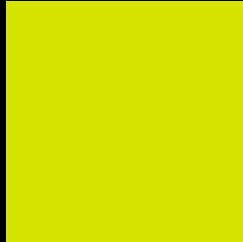
Large Text (above 18pt) WCAG AA × Fail

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 70.1848, 0.4070, 0.5150 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 70.1848, 0.4070, 0.5150

Background



This preview shows how black text looks on a background with the Yxy color 70.1848, 0.4070, 0.5150.



This preview shows how white text looks on a background with the Yxy color 70.1848, 0.4070, 0.5150.

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

70.1848, 0.4070, 0.5150

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

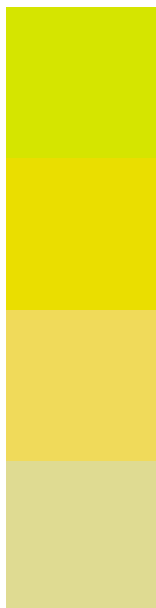
69.8015, 0.3975, 0.3997



Tritanopia

69.9597, 0.3128, 0.3109

Trichromacy



Original Color

70.1848, 0.4070, 0.5150

Protanomaly

69.7350, 0.4287, 0.4978

Deuteranomaly

69.4063, 0.4135, 0.4566

Tritanomaly

68.4263, 0.3659, 0.4108

Monochromacy



Original Color

70.1848, 0.4070, 0.5150

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

59.8038, 0.3668, 0.4284

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1848, 0.4070, 0.5150 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(213, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 229, 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(213, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 229, 0) }
```

Border

The CSS property to change the border of an element to Yxy 70.1848, 0.4070, 0.5150 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(213, 229, 0) }
```

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

```
.border{ border-color:rgb(213, 229, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 229, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 229,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1848, 0.4070, 0.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 229, 0) }
```

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

```
.background{ background-color: rgb(213,  
229, 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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