

Converting Colors

$Y_{xy}(70.5416, 0.4160, 0.5079)$

Have a look what the booklet for
Yxy(70.5416, 0.4160, 0.5079)
contains.

Yxy(70.6261, 0.4162, 0.5077)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6261, 0.4162, 0.5077)

Conversions

Conversions Part 1

Format	Color
Hex	DFE300
RGB	223, 227, 0
RGB Percent	87%, 89%, 0%
CMY	0.1256, 0.1098, 0.9991
CMYK	0.02, 0.00, 1.00, 0.11
HSL	61°, 100%, 45%
HSV	61°, 100%, 89%
XYZ	57.8975, 70.6261, 10.5863
YIQ	199.9260, 70.4830, -71.4450

Conversions

Conversions Part 2

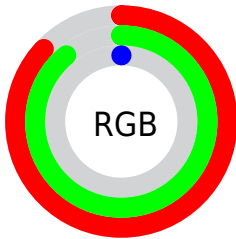
Format	Color
RYB	0, 227, 4
Decimal	14672640
CIELab	87.30, -21.42, 86.14
CIELCh	87, 88.767, 103.966
Yxy	70.6261, 0.4162, 0.5077
Android (android.graphics.Color)	4292862720 (0xFFDFE300)
YUV	199.9260, -98.5635, 20.2359
Hunter-Lab	84.0393, -24.0941, 51.3589

Details

The Yxy color **70.6261, 0.4162, 0.5077** 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 **5.5790, 0.1505, 0.0603**, and the grayscale version is **58.3137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **37.2916, 0.4103, 0.5124** is the 20% darker color. If you saturate the color by 10%, you get **70.6283, 0.4162, 0.5077**, and if you desaturate by 10%, it is **70.7546, 0.4146, 0.5042**.

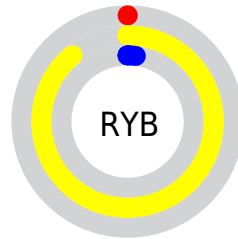
Distribution



Red (87%)

Green (89%)

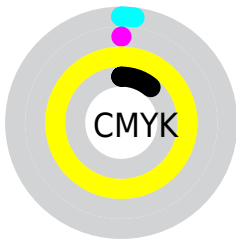
Blue (0%)



Red (0%)

Yellow (89%)

Blue (2%)

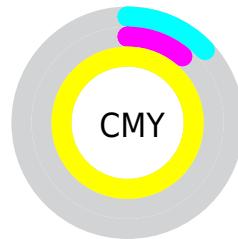


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (13%)


Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6261, 0.4162, 0.5077 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 70.6261, 0.4162, 0.5077 by changing the saturation by 10% instead.


 70.6261, 0.4162,
0.5077


 70.6261, 0.4162,
0.5077


462.7453, 0.3784,
0.4305


 52.0371, 0.4210,
0.5220


 120.1012, 0.4060,
0.4833

 37.0347, 0.4249,
0.5376


 151.7561, 0.4011,
0.4730


 25.2343, 0.4266,
0.5540


 188.5351, 0.3966,
0.4639

 16.2517, 0.4265,
0.5735

 230.8226, 0.3923,
0.4557

 9.7025, 0.4147,
0.5853

 279.0029, 0.3884,
0.4484

 5.2021, 0.3973,
0.6027


 333.4606, 0.3848,


 2.3663, 0.3692,


0.4418


0.6308


394.5799, 0.3815,
0.4359


 0.8085, 0.2329,
0.7671


 0.0000, 0.0000,
0.0000


 70.6261, 0.4162,
0.5077

 70.6261, 0.4162,
0.5077

 70.6283, 0.4162,
0.5077

 70.7546, 0.4146,
0.5042

 70.9516, 0.4108,
0.4971

 71.2431, 0.4044,
0.4856

 71.6421, 0.3954,
0.4698

■ 72.1598, 0.3841,
0.4504

■ 72.8057, 0.3711,
0.4280

■ 73.5887, 0.3569,
0.4037

■ 74.5166, 0.3420,
0.3786

■ 75.5967, 0.3271,
0.3533

Harmonies

Analogous

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



70.6261, 0.4917, 0.4405



70.6261, 0.4162, 0.5077



70.6261, 0.3208, 0.5277

Triad

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



70.6261, 0.4162, 0.5077



70.6261, 0.1404, 0.2352



70.6261, 0.3819, 0.2375

Complementary

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



70.6261, 0.4162, 0.5077



5.5790, 0.1505, 0.0603

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.



70.6261, 0.2732, 0.1948



70.6261, 0.4162, 0.5077



70.6261, 0.1506, 0.1878

Square

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



70.6261, 0.4162, 0.5077



70.6261, 0.1646, 0.3301



70.6261, 0.1937, 0.1770



70.6261, 0.4813, 0.2979

Rectangle

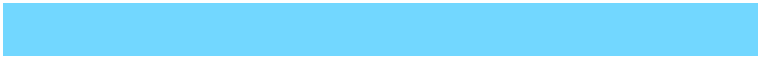
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6261, 0.4162, 0.5077



70.6261, 0.2571, 0.4890



70.6261, 0.1937, 0.1770



70.6261, 0.3440, 0.2208

Sweetspot

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



70.6294, 0.4162, 0.5077



95.7577, 0.3573, 0.4045



16.4200, 0.6390, 0.3307



20.3992, 0.3634, 0.4149



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.



70.6294, 0.4162, 0.5077



91.9312, 0.4162, 0.5077



58.2488, 0.3335, 0.5733



16.8035, 0.3265, 0.3522



41.1923, 0.4163, 0.5077



3.0482, 0.4167, 0.5073

Inverse Universe

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



5.5790, 0.1505, 0.0603



7.2492, 0.1504, 0.0602



9.3610, 0.2044, 0.0900



13.8993, 0.2983, 0.3047



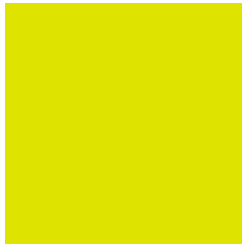
3.2549, 0.1506, 0.0603



0.2449, 0.1522, 0.0612

Previews

White Background



This preview shows how the Yxy color 70.6261, 0.4162, 0.5077 looks on a white background.

Color Contrast Check

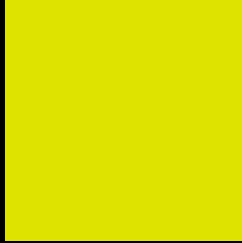
Large Text (above 18pt) WCAG AA × Fail

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 70.6261, 0.4162, 0.5077 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 70.6261, 0.4162, 0.5077

Background



This preview shows how black text looks on a background with the Yxy color 70.6261, 0.4162, 0.5077.



This preview shows how white text looks on a background with the Yxy color 70.6261, 0.4162, 0.5077.

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

70.6261, 0.4162, 0.5077

Protanopia

70.4372, 0.4412, 0.4879

Deuteranopia

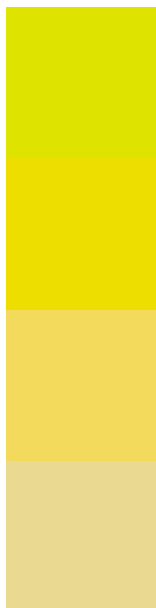
70.3913, 0.3949, 0.3977



Tritanopia

70.3671, 0.3209, 0.3112

Trichromacy



Original Color

70.6261, 0.4162, 0.5077

Protanomaly

70.4197, 0.4318, 0.4954

Deuteranomaly

69.4531, 0.4155, 0.4530

Tritanomaly

68.9937, 0.3753, 0.4076

Monochromacy



Original Color

70.6261, 0.4162, 0.5077

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

61.0354, 0.3699, 0.4268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6261, 0.4162, 0.5077 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(223, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 227, 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(223, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 227, 0) }
```

Border

The CSS property to change the border of an element to Yxy 70.6261, 0.4162, 0.5077 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(223, 227, 0) }
```

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

```
.border{ border-color:rgb(223, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(223, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 227,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6261, 0.4162, 0.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 227, 0) }
```

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

```
.background{ background-color: rgb(223,  
227, 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](#).

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