

Converting Colors

$Y_{xy}(70.5366, 0.4175, 0.5063)$

Have a look what the booklet for
Yxy(70.5366, 0.4175, 0.5063)
contains.

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Color

Yxy(70.2444, 0.4176, 0.5063)

Conversions

Conversions Part 1

Format	Color
Hex	E0E202
RGB	224, 226, 2
RGB Percent	88%, 89%, 1%
CMY	0.1217, 0.1137, 0.9926
CMYK	0.01, 0.00, 0.99, 0.11
HSL	61°, 98%, 45%
HSV	61°, 99%, 89%
XYZ	57.9381, 70.2444, 10.5582
YIQ	199.8660, 70.7120, -70.0880

Conversions

Conversions Part 2

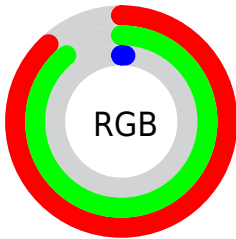
Format	Color
RYB	2, 226, 4
Decimal	14737922
CIELab	87.12, -20.52, 85.90
CIELCh	87, 88.320, 103.435
Yxy	70.2444, 0.4176, 0.5063
Android (android.graphics.Color)	4292928002 (0xFFE0E202)
YUV	199.8660, -97.5479, 21.1655
Hunter-Lab	83.8119, -23.2761, 51.1993

Details

The Yxy color **70.2444, 0.4176, 0.5063** 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 **5.5584, 0.1505, 0.0606**, and the grayscale version is **58.2426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **37.0183, 0.4123, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **70.2408, 0.4177, 0.5065**, and if you desaturate by 10%, it is **70.3447, 0.4157, 0.5028**.

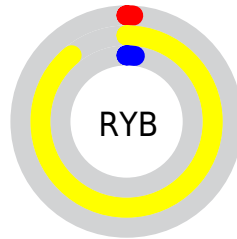
Distribution



Red (88%)

Green (89%)

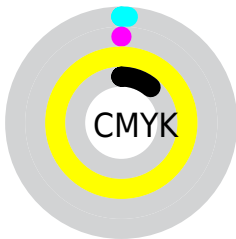
Blue (1%)



Red (1%)

Yellow (89%)

Blue (2%)

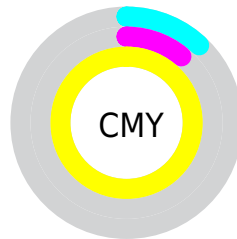


Cyan (1%)

Magenta (0%)

Yellow (99%)

Black (11%)



Cyan (12%)


Magenta (11%)


Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2444, 0.4176, 0.5063 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 70.2444, 0.4176, 0.5063 by changing the saturation by 10% instead.


 70.2444, 0.4176,
0.5063


 70.2444, 0.4176,
0.5063


461.4077, 0.3790,
0.4298

 51.7258, 0.4226,
0.5204


 119.5572, 0.4071,
0.4821


 36.7866, 0.4267,
0.5358


 151.1202, 0.4022,
0.4720

 25.0423, 0.4287,
0.5520


 187.8002, 0.3975,
0.4629

 16.1086, 0.4290,
0.5710

 229.9815, 0.3932,
0.4548

 9.6010, 0.4176,
0.5824

 278.0484, 0.3892,
0.4475

 5.1352, 0.4009,
0.5991


 332.3855, 0.3855,

 2.3268, 0.3737,


0.4410


0.6263


393.3772, 0.3821,
0.4351

 0.7879, 0.2393,
0.7607


 0.0000, 0.0000,
0.0000


 70.2444, 0.4176,
0.5063


 70.2444, 0.4176,
0.5063

 70.2408, 0.4177,
0.5065

 70.3447, 0.4157,
0.5028

 70.5159, 0.4116,
0.4955

 70.7815, 0.4048,
0.4839

 71.1544, 0.3955,
0.4680

■ 71.6453, 0.3839,
0.4484

■ 72.2637, 0.3706,
0.4260

■ 73.0182, 0.3562,
0.4018

■ 73.9166, 0.3412,
0.3766

■ 74.9661, 0.3262,
0.3515

Harmonies

Analogous

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



70.2444, 0.4923, 0.4390



70.2444, 0.4176, 0.5063



70.2444, 0.3226, 0.5274

Triad

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



70.2444, 0.4176, 0.5063



70.2444, 0.1410, 0.2367



70.2444, 0.3797, 0.2368

Complementary

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



70.2444, 0.4176, 0.5063



5.5584, 0.1505, 0.0606

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.



70.2444, 0.2716, 0.1946



70.2444, 0.4176, 0.5063



70.2444, 0.1505, 0.1887

Square

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



70.2444, 0.4176, 0.5063



70.2444, 0.1658, 0.3322



70.2444, 0.1929, 0.1773



70.2444, 0.4794, 0.2969

Rectangle

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



70.2444, 0.4176, 0.5063



70.2444, 0.2589, 0.4900



70.2444, 0.1929, 0.1773



70.2444, 0.3420, 0.2202

Sweetspot

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



70.2477, 0.4176, 0.5063



95.8815, 0.3577, 0.4043



16.2168, 0.6389, 0.3300



20.4294, 0.3639, 0.4148



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.



70.2477, 0.4176, 0.5063



92.3385, 0.4177, 0.5065



57.9810, 0.3362, 0.5708



16.0228, 0.3266, 0.3522



40.0681, 0.4177, 0.5065



2.7794, 0.4180, 0.5063

Inverse Universe

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



5.5584, 0.1505, 0.0606



7.2351, 0.1502, 0.0601



9.1072, 0.2019, 0.0889



13.2493, 0.2982, 0.3048



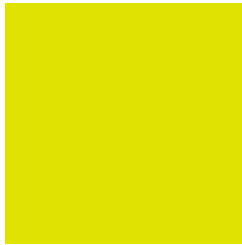
3.1430, 0.1503, 0.0602



0.2200, 0.1512, 0.0607

Previews

White Background



This preview shows how the Yxy color 70.2444, 0.4176, 0.5063 looks on a white background.

Color Contrast Check

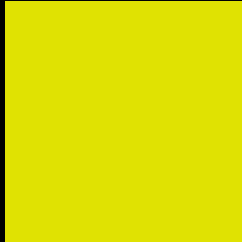
Large Text (above 18pt) WCAG AA × Fail

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 70.2444, 0.4176, 0.5063 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 70.2444, 0.4176, 0.5063

Background



This preview shows how black text looks on a background with the Yxy color 70.2444, 0.4176, 0.5063.

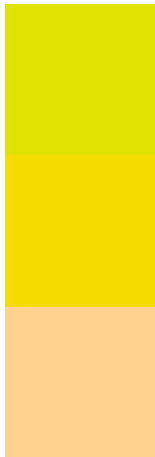


This preview shows how white text looks on a background with the Yxy color 70.2444, 0.4176, 0.5063.

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

70.2444, 0.4176, 0.5063

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

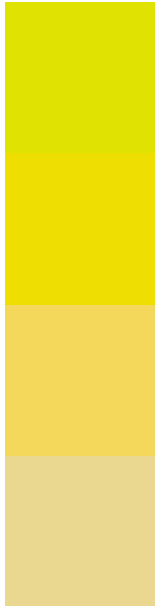
69.8317, 0.3968, 0.3987



Tritanopia

69.9900, 0.3225, 0.3113

Trichromacy



Original Color

70.2444, 0.4176, 0.5063

Protanomaly

70.4219, 0.4317, 0.4953

Deuteranomaly

69.1175, 0.4169, 0.4517

Tritanomaly

68.6485, 0.3765, 0.4064

Monochromacy



Original Color

70.2444, 0.4176, 0.5063

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

60.7148, 0.3704, 0.4244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2444, 0.4176, 0.5063 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, 226, 2)` looks like.

```
.text, #text, p{  
    color:rgb(224, 226, 2)  
}
```

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, 226, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 226, 2) }
```

Border

The CSS property to change the border of an element to Yxy 70.2444, 0.4176, 0.5063 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, 226, 2) }
```

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

```
.border{ border-color:rgb(224, 226, 2) }
```

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

Here you see how a box with a 4 pixel rgb(224, 226, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 226, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 226, 2);  
box-shadow:4px 4px 4px 4px rgb(224, 226,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2444, 0.4176, 0.5063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 226, 2) }
```

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

```
.background{ background-color: rgb(224,  
226, 2) }
```

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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