

Converting Colors

$Yxy(68.0778, 0.4158, 0.4876)$

Have a look what the booklet for
Yxy(68.0778, 0.4158, 0.4876)
contains.

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Color

Yxy(68.3008, 0.4157, 0.4880)

Conversions

Conversions Part 1

Format	Color
Hex	E3DD35
RGB	227, 221, 53
RGB Percent	89%, 87%, 21%
CMY	0.1097, 0.1333, 0.7924
CMYK	0.00, 0.03, 0.77, 0.11
HSL	58°, 76%, 55%
HSV	58°, 77%, 89%
XYZ	58.1816, 68.3008, 13.4782
YIQ	203.6420, 57.5040, -50.9760

Conversions

Conversions Part 2

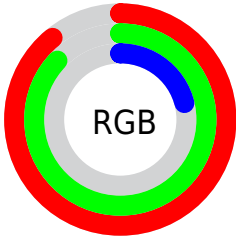
Format	Color
RYB	59, 227, 53
Decimal	14933301
CIELab	86.16, -15.79, 76.46
CIELCh	86, 78.070, 101.669
Yxy	68.3008, 0.4157, 0.4880
Android (android.graphics.Color)	4293123381 (0xFFE3DD35)
YUV	203.6420, -74.2665, 20.4850
Hunter-Lab	82.6443, -18.9634, 48.1816

Details

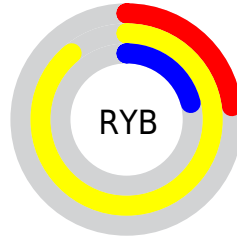
The Yxy color **68.3008, 0.4157, 0.4880** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **9.4277, 0.1691, 0.0943**, and the grayscale version is **60.5964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **35.5973, 0.4214, 0.5036** is the 20% darker color. If you saturate the color by 10%, you get **67.7287, 0.4215, 0.4959**, and if you desaturate by 10%, it is **68.9800, 0.4072, 0.4757**.

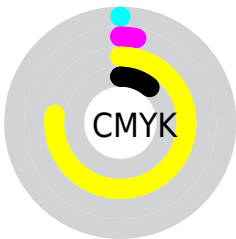
Distribution



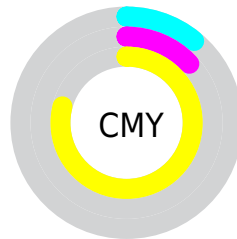
- Red (89%)
- Green (87%)
- Blue (21%)



- Red (23%)
- Yellow (89%)
- Blue (21%)



- Cyan (0%)
- Magenta (3%)
- Yellow (77%)
- Black (11%)




- Cyan (11%)
- Magenta (13%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3008, 0.4157, 0.4880 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 68.3008, 0.4157, 0.4880 by changing the saturation by 10% instead.

 68.3008, 0.4157,
0.4880

 68.3008, 0.4157,
0.4880


454.5610, 0.3749,
0.4179


 50.1425, 0.4221,
0.5016

 116.7824, 0.4037,
0.4654

 35.5266, 0.4284,
0.5168


 147.8744, 0.3984,
0.4560

 24.0688, 0.4335,
0.5333

 184.0465, 0.3935,
0.4477

 15.3847, 0.4385,
0.5536

 225.6829, 0.3891,
0.4404

 9.0898, 0.4331,
0.5669

 273.1682, 0.3850,
0.4338

 4.7998, 0.4198,
0.5802

326.8868, 0.3814,

 2.1303, 0.3980,

0.4280

0.6020

387.2229, 0.3780,
0.4227

0.6816, 0.2779,
0.7221

0.0000, 0.0000,
0.0000

68.3008, 0.4157,
0.4880

68.3008, 0.4157,
0.4880

67.7287, 0.4215,
0.4959

68.9800, 0.4072,
0.4757


67.2385, 0.4248,
0.4996


69.7692, 0.3962,
0.4593

67.0856, 0.4255,
0.5003

70.6820, 0.3832,
0.4395

71.7278, 0.3688,
0.4172

 72.9151, 0.3535,
0.3934

 74.2515, 0.3379,
0.3690

 75.7443, 0.3226,
0.3447

 77.4001, 0.3079,
0.3213

 79.0781, 0.2954,
0.3014

Harmonies

Analogous

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



68.3008, 0.4800, 0.4292



68.3008, 0.4157, 0.4880



68.3008, 0.3298, 0.5055

Triad

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



68.3008, 0.4157, 0.4880



68.3008, 0.1558, 0.2510



68.3008, 0.3673, 0.2423

Complementary

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



68.3008, 0.4157, 0.4880



9.4277, 0.1691, 0.0943

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.



68.3008, 0.2712, 0.2043



68.3008, 0.4157, 0.4880



68.3008, 0.1625, 0.2031

Square

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



68.3008, 0.4157, 0.4880



68.3008, 0.1821, 0.3396



68.3008, 0.2005, 0.1898



68.3008, 0.4576, 0.2978

Rectangle

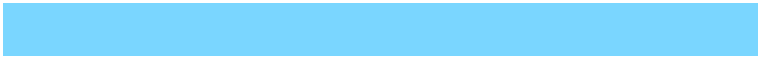
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.3008, 0.4157, 0.4880



68.3008, 0.2711, 0.4745



68.3008, 0.2005, 0.1898



68.3008, 0.3338, 0.2273

Sweetspot

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



68.3040, 0.4157, 0.4880



95.4940, 0.3480, 0.3848



19.2200, 0.5686, 0.3232



20.3094, 0.3536, 0.3937



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.



68.3040, 0.4157, 0.4880



87.7636, 0.4237, 0.4985



61.5666, 0.3514, 0.5347



16.7272, 0.3268, 0.3514



39.1536, 0.4254, 0.5004



2.9202, 0.4245, 0.5012

Inverse Universe

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



9.4277, 0.1691, 0.0943



8.2281, 0.1536, 0.0673



12.9368, 0.2204, 0.1162



13.9666, 0.2980, 0.3055



3.3685, 0.1506, 0.0622



0.2773, 0.1524, 0.0685

Previews

White Background



This preview shows how the Yxy color 68.3008, 0.4157, 0.4880 looks on a white background.

Color Contrast Check

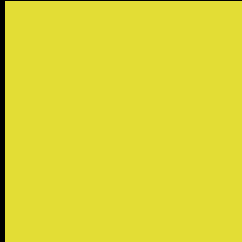
Large Text (above 18pt) WCAG AA × Fail

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 68.3008, 0.4157, 0.4880 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 68.3008, 0.4157, 0.4880

Background



This preview shows how black text looks on a background with the Yxy color 68.3008, 0.4157, 0.4880.



This preview shows how white text looks on a background with the Yxy color 68.3008, 0.4157, 0.4880.

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

68.3008, 0.4157, 0.4880

Protanopia

68.2369, 0.4315, 0.4765

Deuteranopia

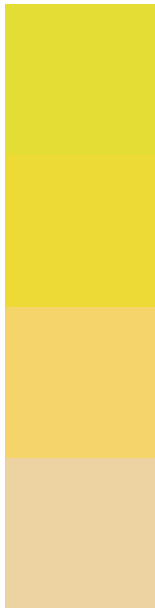
68.0930, 0.4046, 0.4046



Tritanopia

68.1173, 0.3279, 0.3123

Trichromacy



Original Color

68.3008, 0.4157, 0.4880

Protanomaly

68.3953, 0.4261, 0.4808

Deuteranomaly

68.0209, 0.4125, 0.4384

Tritanomaly

66.9946, 0.3684, 0.3838

Monochromacy



Original Color

68.3008, 0.4157, 0.4880

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.2602, 0.3579, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3008, 0.4157, 0.4880 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(227, 221, 53)` looks like.

```
.text, #text, p{  
    color:rgb(227, 221, 53)  
}
```

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(227, 221, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 221, 53) }
```

Border

The CSS property to change the border of an element to Yxy 68.3008, 0.4157, 0.4880 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(227, 221, 53) }
```

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

```
.border{ border-color:rgb(227, 221, 53) }
```

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

Here you see how a box with a 4 pixel rgb(227, 221, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 221, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 221, 53);  
box-shadow:4px 4px 4px 4px rgb(227, 221,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3008, 0.4157, 0.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 221, 53) }
```

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

```
.background{ background-color: rgb(227,  
221, 53) }
```

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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