

# Converting Colors

$Y_{xy}(68.1280, 0.4035, 0.5178)$

Have a look what the booklet for  
Yxy(68.1280, 0.4035, 0.5178)  
contains.

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**Color**

**Yxy(68.2036, 0.4038, 0.5176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE300
RGB	207, 227, 0
RGB Percent	81%, 89%, 0%
CMY	0.1881, 0.1098, 1.0000
CMYK	0.09, 0.00, 1.00, 0.11
HSL	65°, 100%, 45%
HSV	65°, 100%, 89%
XYZ	53.2083, 68.2036, 10.3570
YIQ	195.1420, 60.9470, -74.8370

# Conversions

## Conversions Part 2

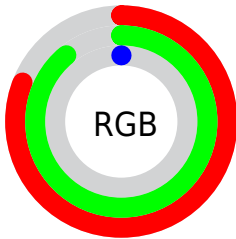
Format	Color
<b>RYB</b>	0, 227, 20
Decimal	13624064
CIELab	86.11, -28.04, 84.75
CIELCh	86, 89.270, 108.306
Yxy	68.2036, 0.4038, 0.5176
Android (android.graphics.Color)	4291814144 (0xFFCFE300)
YUV	195.1420, -96.2050, 10.3995
Hunter-Lab	82.5855, -29.5203, 50.3743

# Details

The Yxy color **68.2036, 0.4038, 0.5176** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **5.6942, 0.1524, 0.0613**, and the grayscale version is **55.2256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **35.8009, 0.3951, 0.5245** is the 20% darker color. If you saturate the color by 10%, you get **68.2069, 0.4038, 0.5176**, and if you desaturate by 10%, it is **68.5570, 0.4034, 0.5129**.

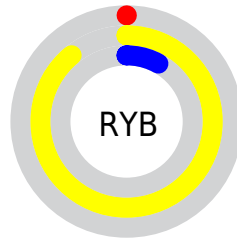
# Distribution



Red (81%)

Green (89%)

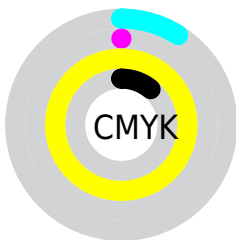
Blue (0%)



Red (0%)

Yellow (89%)

Blue (8%)

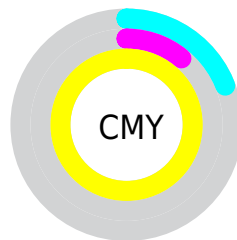


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (19%)

Magenta (11%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2036, 0.4038, 0.5176 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 68.2036, 0.4038, 0.5176 by changing the saturation by 10% instead.




 68.2036, 0.4038,  
0.5176


 68.2036, 0.4038,  
0.5176


454.2170, 0.3717,  
0.4337


 50.0634, 0.4073,  
0.5338


 116.6434, 0.3956,  
0.4905

 35.4638, 0.4094,  
0.5518


 147.7117, 0.3915,  
0.4793

 24.0203, 0.4088,  
0.5712


 183.8582, 0.3876,  
0.4694

 15.3487, 0.4055,  
0.5945

 225.4673, 0.3840,  
0.4606

 9.0645, 0.3892,  
0.6108

 272.9233, 0.3805,  
0.4527

 4.7833, 0.3649,  
0.6351

 326.6107, 0.3774,

 2.1207, 0.3252,

0.4457

0.6748

386.9138, 0.3744,  
0.4394

0.6762, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

68.2036, 0.4038,  
0.5176

68.2036, 0.4038,  
0.5176

68.2069, 0.4038,  
0.5176

68.5570, 0.4034,  
0.5129

68.9819, 0.4009,  
0.5044

69.5047, 0.3957,  
0.4915

70.1384, 0.3880,  
0.4743

■ 70.8941, 0.3780,  
0.4535

■ 71.7816, 0.3663,  
0.4300

■ 72.8095, 0.3534,  
0.4049

■ 73.9858, 0.3398,  
0.3792

■ 75.3179, 0.3261,  
0.3537

# Harmonies

## Analogous

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



68.2036, 0.4850, 0.4522



68.2036, 0.4038, 0.5176



68.2036, 0.3060, 0.5270

# Triad

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



68.2036, 0.4038, 0.5176



68.2036, 0.1377, 0.2238



68.2036, 0.3995, 0.2441

# Complementary

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



68.2036, 0.4038, 0.5176



5.6942, 0.1524, 0.0613

# 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.



68.2036, 0.2871, 0.1978



68.2036, 0.4038, 0.5176



68.2036, 0.1527, 0.1822

# Square

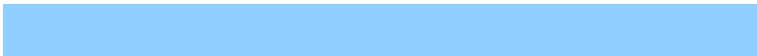
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.2036, 0.4038, 0.5176



68.2036, 0.1565, 0.3128



68.2036, 0.2013, 0.1759



68.2036, 0.4946, 0.3068



# Rectangle

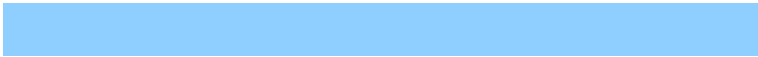
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2036, 0.4038, 0.5176



68.2036, 0.2428, 0.4780



68.2036, 0.2013, 0.1759



68.2036, 0.3611, 0.2263

# Sweetspot

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



68.2069, 0.4038, 0.5176



94.7609, 0.3536, 0.4054



16.7933, 0.6349, 0.3341



20.1566, 0.3592, 0.4162



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.



68.2069, 0.4038, 0.5176



88.7724, 0.4037, 0.5177



57.3469, 0.3251, 0.5800



16.7494, 0.3254, 0.3523



39.8059, 0.4040, 0.5174



2.9605, 0.4064, 0.5155



# Inverse Universe

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



5.6942, 0.1524, 0.0613



7.3954, 0.1522, 0.0612



10.4849, 0.2183, 0.0976



13.9474, 0.2994, 0.3048



3.3420, 0.1530, 0.0616

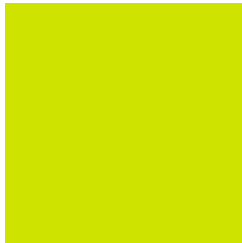


0.2680, 0.1606, 0.0658



# Previews

## White Background



This preview shows how the Yxy color 68.2036, 0.4038, 0.5176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

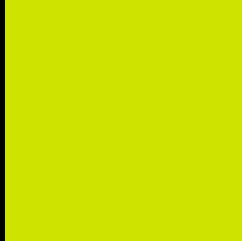
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.2036, 0.4038, 0.5176 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 68.2036, 0.4038, 0.5176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2036, 0.4038, 0.5176.

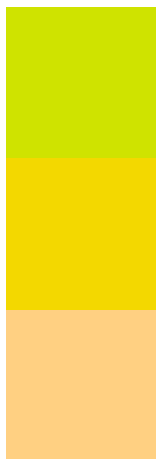


This preview shows how white text looks on a background with the Yxy color 68.2036, 0.4038, 0.5176.

# 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

68.2036, 0.4038, 0.5176

### Protanopia

68.1664, 0.4407, 0.4883

### Deuteranopia

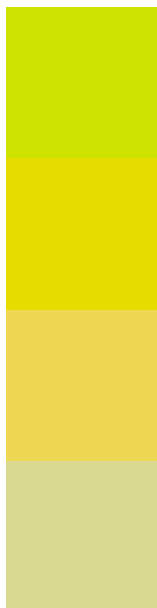
67.9835, 0.4074, 0.4084



## Tritanopia

68.0373, 0.3106, 0.3106

# Trichromacy



## Original Color

68.2036, 0.4038, 0.5176

## Protanomaly

68.0094, 0.4272, 0.4990

## Deuteranomaly

67.4026, 0.4172, 0.4601

## Tritanomaly

66.5755, 0.3633, 0.4111

# Monochromacy



## Original Color

68.2036, 0.4038, 0.5176

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

58.2230, 0.3655, 0.4299

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2036, 0.4038, 0.5176 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(207, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 227, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2036, 0.4038, 0.5176 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(207, 227, 0) }
```

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

```
.border{ border-color:rgb(207, 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(207, 227, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 227,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2036, 0.4038, 0.5176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 227, 0) }
```

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

```
.background{ background-color: rgb(207,  
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](#).

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