

# Converting Colors

Yxy(69.5124, 0.4107, 0.5117)

Have a look what the booklet for  
Yxy(69.5124, 0.4107, 0.5117)  
contains.

<b>Yxy(69.5415, 0.4106, 0.5118)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(69.5415, 0.4106, 0.5118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8E302
RGB	216, 227, 2
RGB Percent	85%, 89%, 1%
CMY	0.1531, 0.1097, 0.9915
CMYK	0.05, 0.00, 0.99, 0.11
HSL	63°, 98%, 45%
HSV	63°, 99%, 89%
XYZ	55.7908, 69.5415, 10.5440
YIQ	198.0610, 65.6690, -72.3070

# Conversions

## Conversions Part 2

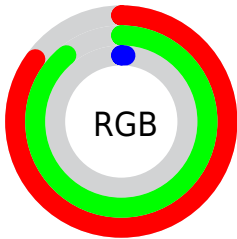
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 227, 13
Decimal	14213890
CIE <sub>Lab</sub>	86.77, -24.34, 85.35
CIE <sub>LCh</sub>	87, 88.751, 105.915
Yxy	69.5415, 0.4106, 0.5118
Android (android.graphics.Color)	4292403970 (0xFFD8E302)
YUV	198.0610, -96.6581, 15.7325
Hunter-Lab	83.3915, -26.5147, 50.8775

# Details

The Yxy color **69.5415, 0.4106, 0.5118** 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 **5.6816, 0.1515, 0.0612**, and the grayscale version is **57.0913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **36.5730, 0.4032, 0.5181** is the 20% darker color. If you saturate the color by 10%, you get **69.5237, 0.4107, 0.5121**, and if you desaturate by 10%, it is **69.7802, 0.4094, 0.5076**.

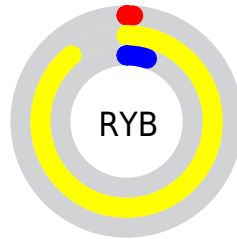
# Distribution



Red (85%)

Green (89%)

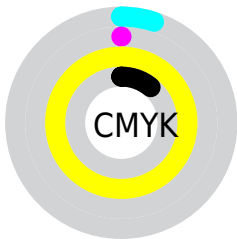
Blue (1%)



Red (1%)

Yellow (89%)

Blue (5%)

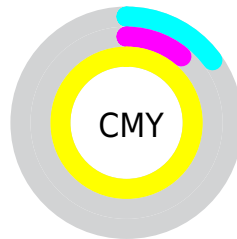


Cyan (5%)

Magenta (0%)

Yellow (99%)

Black (11%)



Cyan (15%)

Magenta (11%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5415, 0.4106, 0.5118 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 69.5415, 0.4106, 0.5118 by changing the saturation by 10% instead.



69.5415, 0.4106,  
0.5118

69.5415, 0.4106,  
0.5118

458.9385, 0.3753,  
0.4317

51.1528, 0.4148,  
0.5269

118.5547, 0.4013,  
0.4862

36.3303, 0.4180,  
0.5436

149.9480, 0.3967,  
0.4755

24.6894, 0.4187,  
0.5613

186.4449, 0.3925,  
0.4661

15.8458, 0.4174,  
0.5826

228.4299, 0.3885,  
0.4576

9.4151, 0.4037,  
0.5963

276.2874, 0.3848,  
0.4501

5.0129, 0.3833,  
0.6167


330.4017, 0.3814,

2.2548, 0.3502,


0.4433


0.6498


391.1573, 0.3782,  
0.4372


 0.7496, 0.1364,  
0.8636


 0.0000, 0.0000,  
0.0000


 69.5415, 0.4106,  
0.5118


 69.5415, 0.4106,  
0.5118

 69.5237, 0.4107,  
0.5121

 69.7802, 0.4094,  
0.5076

 70.0923, 0.4059,  
0.4994

 70.5010, 0.3998,  
0.4869

 71.0193, 0.3912,  
0.4701

■ 71.6582, 0.3803,  
0.4498

■ 72.4271, 0.3677,  
0.4267

■ 73.3349, 0.3540,  
0.4020

■ 74.3892, 0.3397,  
0.3765

■ 75.5974, 0.3254,  
0.3512

# Harmonies

## Analogous

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



69.5415, 0.4885, 0.4456



69.5415, 0.4106, 0.5118



69.5415, 0.3143, 0.5270

# Triad

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



69.5415, 0.4106, 0.5118



69.5415, 0.1395, 0.2302



69.5415, 0.3895, 0.2406

# Complementary

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



69.5415, 0.4106, 0.5118



5.6816, 0.1515, 0.0612

# 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.



69.5415, 0.2794, 0.1964



69.5415, 0.4106, 0.5118



69.5415, 0.1518, 0.1855

# Square

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



69.5415, 0.4106, 0.5118



69.5415, 0.1612, 0.3224



69.5415, 0.1972, 0.1768



69.5415, 0.4869, 0.3020



# Rectangle

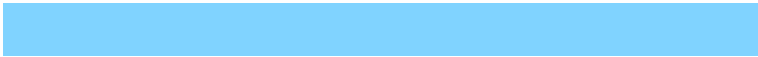
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5415, 0.4106, 0.5118



69.5415, 0.2509, 0.4838



69.5415, 0.1972, 0.1768



69.5415, 0.3515, 0.2234

# Sweetspot

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



69.5447, 0.4106, 0.5118



95.3079, 0.3556, 0.4049



16.5483, 0.6369, 0.3314



20.2896, 0.3615, 0.4155



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.



69.5447, 0.4106, 0.5118



90.4786, 0.4106, 0.5122



58.0842, 0.3318, 0.5742



16.7792, 0.3260, 0.3523



40.5552, 0.4108, 0.5120



3.0081, 0.4121, 0.5110



# Inverse Universe

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



5.6816, 0.1515, 0.0612



7.3021, 0.1510, 0.0606



9.7385, 0.2087, 0.0927



13.9208, 0.2988, 0.3047



3.2911, 0.1516, 0.0609

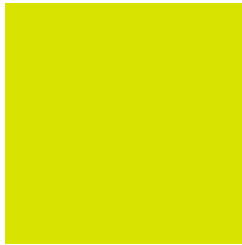


0.2552, 0.1560, 0.0633



# Previews

## White Background



This preview shows how the Yxy color 69.5415, 0.4106, 0.5118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

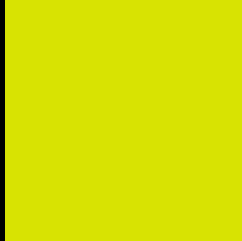
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5415, 0.4106, 0.5118 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 69.5415, 0.4106, 0.5118**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5415, 0.4106, 0.5118.



This preview shows how white text looks on a background with the Yxy color 69.5415, 0.4106, 0.5118.

# 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

69.5415, 0.4106, 0.5118

### Protanopia

69.5553, 0.4405, 0.4884

### Deuteranopia

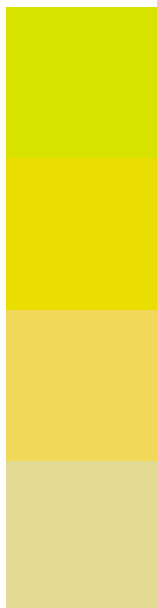
69.2173, 0.4001, 0.4017



## Tritanopia

69.3458, 0.3165, 0.3110

# Trichromacy



## Original Color

69.5415, 0.4106, 0.5118

## Protanomaly

69.2075, 0.4294, 0.4970

## Deuteranomaly

68.5338, 0.4160, 0.4552

## Tritanomaly

67.8698, 0.3690, 0.4081

# Monochromacy



## Original Color

69.5415, 0.4106, 0.5118

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

60.1124, 0.3678, 0.4267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5415, 0.4106, 0.5118 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(216, 227, 2)` looks like.

```
.text, #text, p{  
    color:rgb(216, 227, 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(216, 227, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 227, 2) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5415, 0.4106, 0.5118 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(216, 227, 2) }
```

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

```
.border{ border-color:rgb(216, 227, 2) }
```

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

Here you see how a box with a 4 pixel rgb(216, 227, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 227, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 227, 2);  
box-shadow:4px 4px 4px 4px rgb(216, 227,  
2) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5415, 0.4106, 0.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 227, 2) }
```

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

```
.background{ background-color: rgb(216,  
227, 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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