

# Converting Colors

$Yxy(65.5967, 0.3939, 0.5072)$

Have a look what the booklet for  
Yxy(65.5967, 0.3939, 0.5072)  
contains.

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# Color

**Yxy(65.8041, 0.3935, 0.5077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8E030
RGB	200, 224, 48
RGB Percent	78%, 88%, 19%
CMY	0.2158, 0.1215, 0.8119
CMYK	0.11, 0.00, 0.79, 0.12
HSL	68°, 74%, 53%
HSV	68°, 79%, 88%
XYZ	51.0024, 65.8041, 12.8057
YIQ	196.7600, 42.1920, -59.8240

# Conversions

## Conversions Part 2

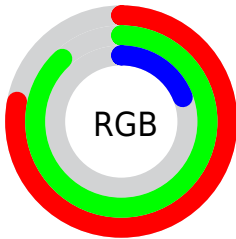
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">48, 224, 72</a>
Decimal	<a href="#">13164592</a>
CIELab	<a href="#">84.90, -28.59, 75.97</a>
CIELCh	<a href="#">85, 81.172, 110.624</a>
Yxy	<a href="#">65.8041, 0.3935, 0.5077</a>
Android (android.graphics.Color)	<a href="#">4291354672 (0xFFC8E030)</a>
YUV	<a href="#">196.7600, -73.3387, 2.8415</a>
Hunter-Lab	<a href="#">81.1197, -29.7313, 47.4242</a>

# Details

The Yxy color **65.8041, 0.3935, 0.5077** 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 **8.8723, 0.1765, 0.0911**, and the grayscale version is **56.1114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **34.1267, 0.3916, 0.5273** is the 20% darker color. If you saturate the color by 10%, you get **65.2496, 0.3955, 0.5178**, and if you desaturate by 10%, it is **66.4663, 0.3888, 0.4931**.

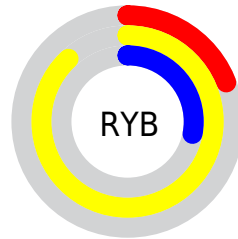
# Distribution



Red (78%)

Green (88%)

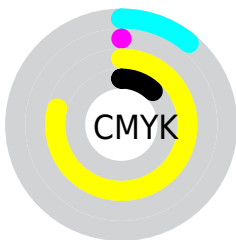
Blue (19%)



Red (19%)

Yellow (88%)

Blue (28%)

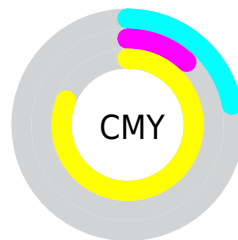


Cyan (11%)

Magenta (0%)

Yellow (79%)

Black (12%)



Cyan (22%)

Magenta (12%)


Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8041, 0.3935, 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 65.8041, 0.3935, 0.5077 by changing the saturation by 10% instead.





 65.8041, 0.3935,  
0.5077

 65.8041, 0.3935,  
0.5077


445.6760, 0.3637,  
0.4255


 48.1134, 0.3972,  
0.5246

 113.2051, 0.3854,  
0.4803


 33.9167, 0.4000,  
0.5440


 143.6842, 0.3816,  
0.4693


 22.8296, 0.4006,  
0.5660


 179.1949, 0.3780,  
0.4596

 14.4677, 0.4004,  
0.5954

 220.1216, 0.3746,  
0.4511

 8.4467, 0.3847,  
0.6153

 266.8486, 0.3716,  
0.4435

 4.3821, 0.3585,  
0.6415

319.7604, 0.3687,

 1.8895, 0.3152,

0.4368

0.6848

379.2414, 0.3661,  
0.4309

0.5421, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.8041, 0.3935,  
0.5077

65.8041, 0.3935,  
0.5077

65.2496, 0.3955,  
0.5178

66.4663, 0.3888,  
0.4931


64.7753, 0.3953,  
0.5237

67.2396, 0.3816,  
0.4743


64.7112, 0.3952,  
0.5244


68.1375, 0.3723,  
0.4521

69.1694, 0.3612,  
0.4276

 70.3435, 0.3491,  
0.4018

 71.6676, 0.3363,  
0.3757

 73.1487, 0.3235,  
0.3501

 74.7934, 0.3110,  
0.3256

 76.6078, 0.2989,  
0.3026

# Harmonies

## Analogous

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



65.8041, 0.4703, 0.4523



65.8041, 0.3935, 0.5077



65.8041, 0.3015, 0.5062

# Triad

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



65.8041, 0.3935, 0.5077



65.8041, 0.1482, 0.2276



65.8041, 0.4011, 0.2541

# Complementary

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



65.8041, 0.3935, 0.5077



8.8723, 0.1765, 0.0911

# 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.



65.8041, 0.2970, 0.2086



65.8041, 0.3935, 0.5077



65.8041, 0.1648, 0.1902

# Square

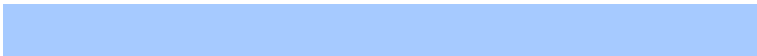
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.8041, 0.3935, 0.5077



65.8041, 0.1642, 0.3074



65.8041, 0.2139, 0.1859



65.8041, 0.4851, 0.3149



# Rectangle

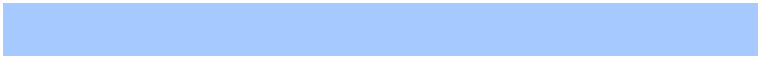
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.8041, 0.3935, 0.5077



65.8041, 0.2429, 0.4568



65.8041, 0.2139, 0.1859



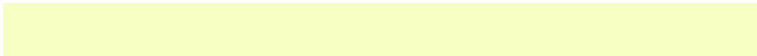
65.8041, 0.3661, 0.2368

# Sweetspot

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



65.8071, 0.3935, 0.5077



95.1152, 0.3435, 0.3903



20.6257, 0.5670, 0.3485



20.2259, 0.3480, 0.3997



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.



65.8071, 0.3935, 0.5077



87.1266, 0.3956, 0.5218



57.0107, 0.3296, 0.5537



15.9297, 0.3246, 0.3523



37.6988, 0.3955, 0.5241



2.6396, 0.3994, 0.5211



# Inverse Universe

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



8.8723, 0.1765, 0.0911



8.1994, 0.1583, 0.0668



14.9126, 0.2498, 0.1289



13.3326, 0.3002, 0.3049



3.3272, 0.1555, 0.0630



0.2598, 0.1669, 0.0693



# Previews

## White Background



This preview shows how the Yxy color 65.8041, 0.3935, 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 65.8041, 0.3935, 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 65.8041, 0.3935, 0.5077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.8041, 0.3935, 0.5077.



This preview shows how white text looks on a background with the Yxy color 65.8041, 0.3935, 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

65.8041, 0.3935, 0.5077

### Protanopia

65.4536, 0.4336, 0.4787

### Deuteranopia

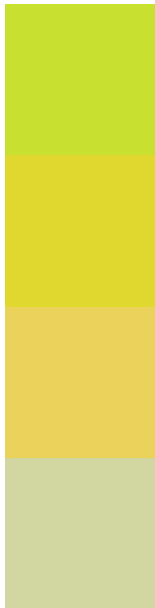
65.2328, 0.4198, 0.4165



## Tritanopia

65.6361, 0.3069, 0.3113

# Trichromacy



## Original Color

65.8041, 0.3935, 0.5077

## Protanomaly

65.1563, 0.4189, 0.4893

## Deuteranomaly

65.0060, 0.4135, 0.4522

## Tritanomaly

64.3680, 0.3467, 0.3911

# Monochromacy



## Original Color

65.8041, 0.3935, 0.5077

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

58.6146, 0.3516, 0.4076

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.8041, 0.3935, 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(200, 224, 48)` looks like.

```
.text, #text, p{  
    color:rgb(200, 224, 48)  
}
```

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(200, 224, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 224, 48) }
```

## Border

The CSS property to change the border of an element to Yxy 65.8041, 0.3935, 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(200, 224, 48) }
```

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

```
.border{ border-color:rgb(200, 224, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 224, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 224, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 224, 48);  
box-shadow:4px 4px 4px 4px rgb(200, 224,  
48) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.8041, 0.3935, 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(200, 224, 48) }
```

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

```
.background{ background-color: rgb(200,  
224, 48) }
```

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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