

Converting Colors

$Yxy(64.3798, 0.4045, 0.5065)$

Have a look what the booklet for
Yxy(64.3798, 0.4045, 0.5065)
contains.

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Color

Yxy(64.4296, 0.4040, 0.5069)

Conversions

Conversions Part 1

Format	Color
Hex	CEDC23
RGB	206, 220, 35
RGB Percent	81%, 86%, 14%
CMY	0.1922, 0.1372, 0.8624
CMYK	0.06, 0.00, 0.84, 0.14
HSL	65°, 73%, 50%
HSV	65°, 84%, 86%
XYZ	51.3505, 64.4296, 11.3251
YIQ	194.7240, 51.0410, -60.5030

Conversions

Conversions Part 2

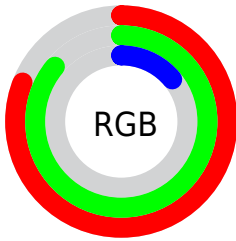
Format	Color
R _Y B	35, 220, 49
Decimal	13556771
CIE Lab	84.19, -24.62, 78.68
CIE LCh	84, 82.445, 107.375
Yxy	64.4296, 0.4040, 0.5069
Android (android.graphics.Color)	4291746851 (0xFFCEDC23)
YUV	194.7240, -78.7439, 9.8891
Hunter-Lab	80.2681, -26.2759, 47.8224

Details

The Yxy color **64.4296, 0.4040, 0.5069** 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 **7.0294, 0.1642, 0.0780**, and the grayscale version is **54.8618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7196, 0.3982, 0.4703**, and **33.1133, 0.4004, 0.5202** is the 20% darker color. If you saturate the color by 10%, you get **64.1027, 0.4058, 0.5134**, and if you desaturate by 10%, it is **64.8468, 0.3997, 0.4960**.

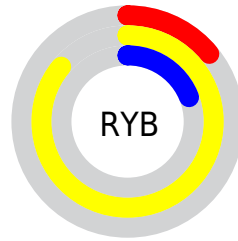
Distribution



Red (81%)

Green (86%)

Blue (14%)



Red (14%)

Yellow (86%)

Blue (19%)

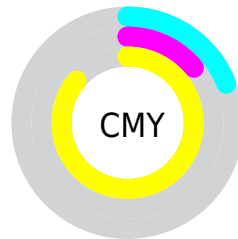


Cyan (6%)

Magenta (0%)

Yellow (84%)

Black (14%)



Cyan (19%)

Magenta (14%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4296, 0.4040, 0.5069 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 64.4296, 0.4040, 0.5069 by changing the saturation by 10% instead.


 64.4296, 0.4040,
0.5069


 64.4296, 0.4040,
0.5069


440.7394, 0.3698,
0.4264

 46.9987, 0.4084,
0.5229


 111.2294, 0.3946,
0.4805

 33.0346, 0.4119,
0.5409


 141.3671, 0.3902,
0.4697

 22.1530, 0.4131,
0.5607


 176.5092, 0.3861,
0.4602

 13.9694, 0.4134,
0.5866

 217.0401, 0.3823,
0.4518

 8.0994, 0.3981,
0.6019

 263.3441, 0.3787,
0.4443

 4.1586, 0.3750,
0.6250

 315.8058, 0.3755,

 1.7627, 0.3363,

0.4377

0.6637

374.8094, 0.3725,
0.4317

■ 0.4637, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4296, 0.4040,
0.5069

■ 64.4296, 0.4040,
0.5069

■ 64.1027, 0.4058,
0.5134

■ 64.8468, 0.3997,
0.4960

■ 63.9336, 0.4060,
0.5159

■ 65.3586, 0.3927,
0.4807

■ 65.9790, 0.3834,
0.4615

■ 66.7173, 0.3721,
0.4392

■ 67.5821, 0.3594,
0.4149

■ 68.5809, 0.3458,
0.3894

■ 69.7206, 0.3319,
0.3639

■ 71.0080, 0.3182,
0.3388

■ 72.4490, 0.3049,
0.3150

Harmonies

Analogous

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



64.4296, 0.4796, 0.4463



64.4296, 0.4040, 0.5069



64.4296, 0.3109, 0.5152

Triad

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



64.4296, 0.4040, 0.5069



64.4296, 0.1455, 0.2318



64.4296, 0.3915, 0.2467

Complementary

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



64.4296, 0.4040, 0.5069



7.0294, 0.1642, 0.0780

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.



64.4296, 0.2858, 0.2027



64.4296, 0.4040, 0.5069



64.4296, 0.1589, 0.1899

Square

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



64.4296, 0.4040, 0.5069



64.4296, 0.1654, 0.3181



64.4296, 0.2048, 0.1825



64.4296, 0.4822, 0.3070

Rectangle

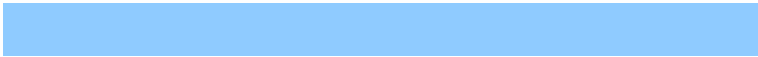
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.4296, 0.4040, 0.5069



64.4296, 0.2502, 0.4709



64.4296, 0.2048, 0.1825



64.4296, 0.3554, 0.2298

Sweetspot

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



64.4326, 0.4040, 0.5069



95.6482, 0.3474, 0.3924



17.4041, 0.5981, 0.3374



20.3638, 0.3522, 0.4014



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.



64.4326, 0.4040, 0.5069



89.2986, 0.4059, 0.5159



54.9705, 0.3352, 0.5584



15.2111, 0.3255, 0.3522



37.5416, 0.4062, 0.5157



2.4474, 0.4085, 0.5139

Inverse Universe

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



7.0294, 0.1642, 0.0780



7.3617, 0.1518, 0.0610



11.9385, 0.2316, 0.1137



12.6641, 0.2993, 0.3049



3.1192, 0.1525, 0.0614



0.2189, 0.1600, 0.0655

Previews

White Background



This preview shows how the Yxy color 64.4296, 0.4040, 0.5069 looks on a white background.

Color Contrast Check

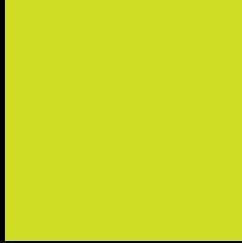
Large Text (above 18pt) WCAG AA × Fail

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 64.4296, 0.4040, 0.5069 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 64.4296, 0.4040, 0.5069

Background



This preview shows how black text looks on a background with the Yxy color 64.4296, 0.4040, 0.5069.



This preview shows how white text looks on a background with the Yxy color 64.4296, 0.4040, 0.5069.

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

64.4296, 0.4040, 0.5069

Protanopia

64.0303, 0.4366, 0.4829

Deuteranopia

64.0328, 0.4288, 0.4249



Tritanopia

64.2553, 0.3135, 0.3114

Trichromacy



Original Color

64.4296, 0.4040, 0.5069

Protanomaly

64.2105, 0.4243, 0.4920

Deuteranomaly

63.6808, 0.4232, 0.4576

Tritanomaly

62.9920, 0.3583, 0.3952

Monochromacy



Original Color

64.4296, 0.4040, 0.5069

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

57.1340, 0.3576, 0.4114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4296, 0.4040, 0.5069 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(206, 220, 35)` looks like.

```
.text, #text, p{  
    color:rgb(206, 220, 35)  
}
```

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(206, 220, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 220, 35) }
```

Border

The CSS property to change the border of an element to Yxy 64.4296, 0.4040, 0.5069 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(206, 220, 35) }
```

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

```
.border{ border-color:rgb(206, 220, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 220, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 220, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 220, 35);  
box-shadow:4px 4px 4px 4px rgb(206, 220,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4296, 0.4040, 0.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 220, 35) }
```

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

```
.background{ background-color: rgb(206,  
220, 35) }
```

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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