

Converting Colors

Yxy(63.6061, 0.4040, 0.5172)

Have a look what the booklet for
Yxy(63.6061, 0.4040, 0.5172)
contains.

Yxy(63.6061, 0.4040, 0.5172)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.6061, 0.4040, 0.5172)

Conversions

Conversions Part 1

Format	Color
Hex	C9DC01
RGB	201, 220, 1
RGB Percent	79%, 86%, 0%
CMY	0.2118, 0.1372, 0.9955
CMYK	0.09, 0.00, 0.99, 0.14
HSL	65°, 99%, 43%
HSV	65°, 99%, 86%
XYZ	49.6846, 63.6061, 9.6910
YIQ	189.3530, 58.9750, -72.1370

Conversions

Conversions Part 2

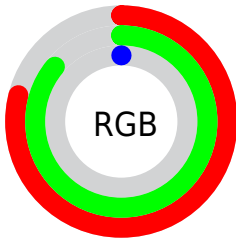
Format	Color
RYB	1, 220, 20
Decimal	13229057
CIELab	83.76, -27.22, 82.70
CIELCh	84, 87.070, 108.220
Yxy	63.6061, 0.4040, 0.5172
Android (android.graphics.Color)	4291419137 (0xFFC9DC01)
YUV	189.3530, -92.8580, 10.2144
Hunter-Lab	79.7534, -28.3671, 48.6230

Details

The Yxy color **63.6061, 0.4040, 0.5172** 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 **5.3434, 0.1527, 0.0617**, and the grayscale version is **51.6303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **32.6611, 0.3952, 0.5244** is the 20% darker color. If you saturate the color by 10%, you get **63.5926, 0.4040, 0.5174**, and if you desaturate by 10%, it is **63.9356, 0.4035, 0.5123**.

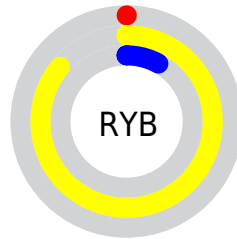
Distribution



Red (79%)

Green (86%)

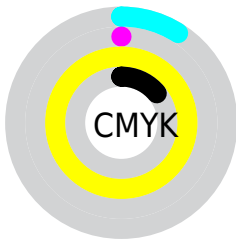
Blue (0%)



Red (0%)

Yellow (86%)

Blue (8%)

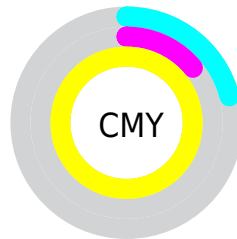


Cyan (9%)

Magenta (0%)

Yellow (99%)

Black (14%)



Cyan (21%)

Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6061, 0.4040, 0.5172 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 63.6061, 0.4040, 0.5172 by changing the saturation by 10% instead.

 63.6061, 0.4040,
0.5172

 63.6061, 0.4040,
0.5172

437.7658, 0.3713,
0.4324


 46.3317, 0.4076,
0.5338


 110.0435, 0.3955,
0.4896


 32.5077, 0.4098,
0.5522

 139.9752, 0.3914,
0.4782

 21.7496, 0.4092,
0.5724


 174.8949, 0.3874,
0.4682

 13.6730, 0.4047,
0.5953

 215.1869, 0.3836,
0.4593

 7.8936, 0.3875,
0.6125

 261.2356, 0.3802,
0.4514

 4.0269, 0.3613,
0.6387

 313.4254, 0.3770,

 1.6886, 0.3169,

0.4444

0.6831

372.1406, 0.3740,
0.4380

■ 0.4163, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6061, 0.4040,
0.5172

■ 63.6061, 0.4040,
0.5172

■ 63.5926, 0.4040,
0.5174

■ 63.9356, 0.4035,
0.5123

■ 64.3337, 0.4008,
0.5036

■ 64.8235, 0.3954,
0.4904

■ 65.4169, 0.3875,
0.4730

66.1241, 0.3774,
0.4521

66.9541, 0.3656,
0.4285

67.9148, 0.3526,
0.4034

69.0137, 0.3391,
0.3777

70.2574, 0.3254,
0.3523

Harmonies

Analogous

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



63.6061, 0.4850, 0.4519



63.6061, 0.4040, 0.5172



63.6061, 0.3064, 0.5267

Triad

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



63.6061, 0.4040, 0.5172



63.6061, 0.1379, 0.2241



63.6061, 0.3990, 0.2440

Complementary

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



63.6061, 0.4040, 0.5172



5.3434, 0.1527, 0.0617

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.



63.6061, 0.2868, 0.1979



63.6061, 0.4040, 0.5172



63.6061, 0.1528, 0.1825

Square

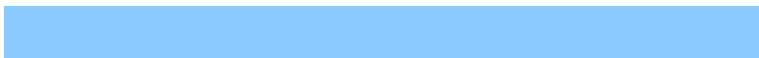
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.6061, 0.4040, 0.5172



63.6061, 0.1568, 0.3132



63.6061, 0.2012, 0.1761



63.6061, 0.4941, 0.3067

Rectangle

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



63.6061, 0.4040, 0.5172



63.6061, 0.2432, 0.4780



63.6061, 0.2012, 0.1761



63.6061, 0.3607, 0.2263

Sweetspot

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



63.6090, 0.4040, 0.5172



94.7753, 0.3537, 0.4054



15.6986, 0.6338, 0.3343



20.1601, 0.3593, 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.



63.6090, 0.4040, 0.5172



88.8167, 0.4039, 0.5175



53.4862, 0.3255, 0.5794



15.2034, 0.3254, 0.3522



37.3435, 0.4042, 0.5172



2.4366, 0.4069, 0.5152

Inverse Universe

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



5.3434, 0.1527, 0.0617



7.3924, 0.1521, 0.0612



9.8459, 0.2190, 0.0982



12.6710, 0.2994, 0.3049



3.1348, 0.1530, 0.0617



0.2222, 0.1614, 0.0663

Previews

White Background



This preview shows how the Yxy color 63.6061, 0.4040, 0.5172 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 63.6061, 0.4040, 0.5172 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 63.6061, 0.4040, 0.5172

Background



This preview shows how black text looks on a background with the Yxy color 63.6061, 0.4040, 0.5172.

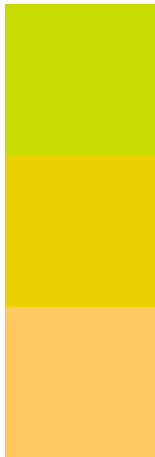


This preview shows how white text looks on a background with the Yxy color 63.6061, 0.4040, 0.5172.

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

63.6061, 0.4040, 0.5172

Protanopia

63.2631, 0.4405, 0.4884

Deuteranopia

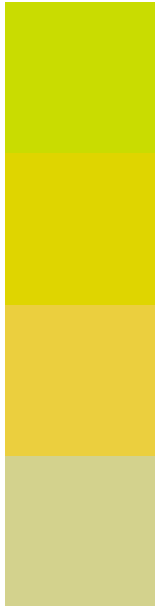
63.4131, 0.4344, 0.4304



Tritanopia

63.1579, 0.3106, 0.3101

Trichromacy



Original Color

63.6061, 0.4040, 0.5172

Protanomaly

63.2765, 0.4275, 0.4988

Deuteranomaly

62.6356, 0.4296, 0.4685

Tritanomaly

61.8652, 0.3628, 0.4101

Monochromacy



Original Color

63.6061, 0.4040, 0.5172

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

54.0265, 0.3652, 0.4281

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6061, 0.4040, 0.5172 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(201, 220, 1)` looks like.

```
.text, #text, p{  
    color:rgb(201, 220, 1)  
}
```

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(201, 220, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 220, 1) }
```

Border

The CSS property to change the border of an element to Yxy 63.6061, 0.4040, 0.5172 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(201, 220, 1) }
```

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

```
.border{ border-color:rgb(201, 220, 1) }
```

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

Here you see how a box with a 4 pixel rgb(201, 220, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 220, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 220, 1);  
box-shadow:4px 4px 4px 4px rgb(201, 220,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6061, 0.4040, 0.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 220, 1) }
```

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

```
.background{ background-color: rgb(201,  
220, 1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor