

Converting Colors

$Y_{xy}(63.7400, 0.4168, 0.5072)$

Have a look what the booklet for
Yxy(63.7400, 0.4168, 0.5072)
contains.

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Color

Yxy(63.9218, 0.4169, 0.5072)

Conversions

Conversions Part 1

Format	Color
Hex	D6D900
RGB	214, 217, 0
RGB Percent	84%, 85%, 0%
CMY	0.1608, 0.1490, 1.0000
CMYK	0.01, 0.00, 1.00, 0.15
HSL	61°, 100%, 43%
HSV	61°, 100%, 85%
XYZ	52.5414, 63.9218, 9.5656
YIQ	191.3650, 67.8690, -68.1230

Conversions

Conversions Part 2

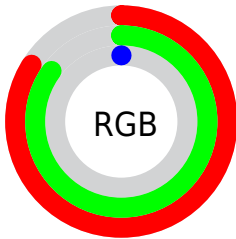
Format	Color
RYB	0, 217, 3
Decimal	14080256
CIELab	83.93, -20.36, 83.38
CIELCh	84, 85.825, 103.722
Yxy	63.9218, 0.4169, 0.5072
Android (android.graphics.Color)	4292270336 (0xFFD6D900)
YUV	191.3650, -94.3429, 19.8509
Hunter-Lab	79.9511, -22.6098, 48.8721

Details

The Yxy color **63.9218, 0.4169, 0.5072** 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 **5.0298, 0.1504, 0.0602**, and the grayscale version is **52.8541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **32.8092, 0.4119, 0.5112** is the 20% darker color. If you saturate the color by 10%, you get **63.9250, 0.4169, 0.5072**, and if you desaturate by 10%, it is **64.0273, 0.4151, 0.5037**.

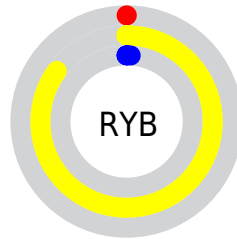
Distribution



Red (84%)

Green (85%)

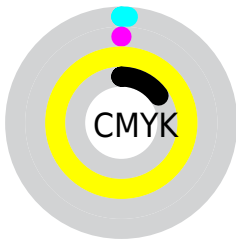
Blue (0%)



Red (0%)

Yellow (85%)

Blue (1%)

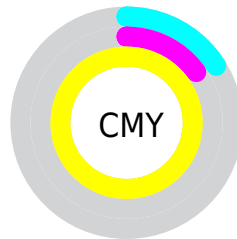


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (16%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9218, 0.4169, 0.5072 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 63.9218, 0.4169, 0.5072 by changing the saturation by 10% instead.


 63.9218, 0.4169,
0.5072


 63.9218, 0.4169,
0.5072


438.9072, 0.3779,
0.4288

 46.5873, 0.4219,
0.5219

 110.4983, 0.4062,
0.4822


 32.7096, 0.4259,
0.5380


 140.5091, 0.4012,
0.4717

 21.9040, 0.4278,
0.5552

 175.5142, 0.3965,
0.4624

 13.7864, 0.4263,
0.5737

 215.8980, 0.3921,
0.4541

 7.9723, 0.4136,
0.5864

 262.0447, 0.3881,
0.4467

 4.0772, 0.3945,
0.6055

 314.3389, 0.3844,

 1.7168, 0.3621,

0.4401

0.6379

373.1649, 0.3810,
0.4342

■ 0.4345, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9218, 0.4169,
0.5072

■ 63.9218, 0.4169,
0.5072

■ 63.9250, 0.4169,
0.5072

■ 64.0273, 0.4151,
0.5037

■ 64.1935, 0.4113,
0.4966

■ 64.4446, 0.4048,
0.4852

■ 64.7924, 0.3957,
0.4695

■ 65.2469, 0.3844,
0.4501

■ 65.8165, 0.3713,
0.4279

■ 66.5093, 0.3571,
0.4037

■ 67.3321, 0.3422,
0.3787

■ 68.2917, 0.3273,
0.3535

Harmonies

Analogous

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



63.9218, 0.4921, 0.4399



63.9218, 0.4169, 0.5072



63.9218, 0.3216, 0.5278

Triad

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



63.9218, 0.4169, 0.5072



63.9218, 0.1406, 0.2358



63.9218, 0.3809, 0.2371

Complementary

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



63.9218, 0.4169, 0.5072



5.0298, 0.1504, 0.0602

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.



63.9218, 0.2724, 0.1946



63.9218, 0.4169, 0.5072



63.9218, 0.1505, 0.1881

Square

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



63.9218, 0.4169, 0.5072



63.9218, 0.1650, 0.3311



63.9218, 0.1932, 0.1770



63.9218, 0.4806, 0.2974

Rectangle

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



63.9218, 0.4169, 0.5072



63.9218, 0.2579, 0.4897



63.9218, 0.1932, 0.1770



63.9218, 0.3431, 0.2204

Sweetspot

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



63.9250, 0.4169, 0.5072



95.8130, 0.3575, 0.4044



14.7532, 0.6401, 0.3300



20.4127, 0.3636, 0.4148



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.



63.9250, 0.4169, 0.5072



92.1127, 0.4169, 0.5072



52.8506, 0.3359, 0.5715



15.2542, 0.3265, 0.3521



38.6971, 0.4169, 0.5072



2.5100, 0.4173, 0.5068

Inverse Universe

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



5.0298, 0.1504, 0.0602



7.2429, 0.1503, 0.0602



8.2301, 0.2013, 0.0883



12.6258, 0.2983, 0.3048



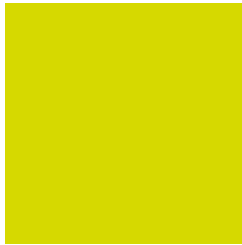
3.0482, 0.1505, 0.0603



0.2006, 0.1519, 0.0610

Previews

White Background



This preview shows how the Yxy color 63.9218, 0.4169, 0.5072 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 63.9218, 0.4169, 0.5072 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 63.9218, 0.4169, 0.5072

Background



This preview shows how black text looks on a background with the Yxy color 63.9218, 0.4169, 0.5072.

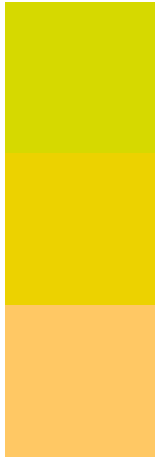


This preview shows how white text looks on a background with the Yxy color 63.9218, 0.4169, 0.5072.

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

63.9218, 0.4169, 0.5072

Protanopia

63.9261, 0.4404, 0.4885

Deuteranopia

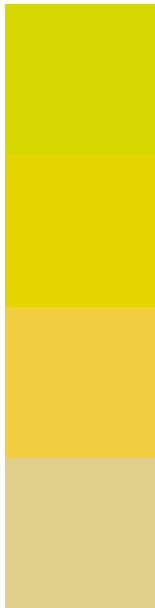
63.4887, 0.4320, 0.4272



Tritanopia

63.9088, 0.3227, 0.3127

Trichromacy



Original Color

63.9218, 0.4169, 0.5072

Protanomaly

64.0825, 0.4315, 0.4956

Deuteranomaly

63.0380, 0.4337, 0.4639

Tritanomaly

62.3079, 0.3768, 0.4073

Monochromacy



Original Color

63.9218, 0.4169, 0.5072

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

54.8558, 0.3697, 0.4250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9218, 0.4169, 0.5072 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(214, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 217, 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(214, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 217, 0) }
```

Border

The CSS property to change the border of an element to Yxy 63.9218, 0.4169, 0.5072 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(214, 217, 0) }
```

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

```
.border{ border-color:rgb(214, 217, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 217, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 217,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9218, 0.4169, 0.5072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 217, 0) }
```

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

```
.background{ background-color: rgb(214,  
217, 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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