

# Converting Colors

$Y_{xy}(60.3073, 0.4240, 0.5006)$

Have a look what the booklet for  
Yxy(60.3073, 0.4240, 0.5006)  
contains.

<b>Yxy(60.0590, 0.4239, 0.5006)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(60.0590, 0.4239, 0.5006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7D105
RGB	215, 209, 5
RGB Percent	84%, 82%, 2%
CMY	0.1568, 0.1804, 0.9800
CMYK	0.00, 0.03, 0.98, 0.16
HSL	58°, 95%, 43%
HSV	58°, 98%, 84%
XYZ	50.8570, 60.0590, 9.0580
YIQ	187.5380, 69.0600, -62.1720

# Conversions

## Conversions Part 2

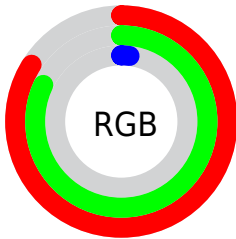
<b>Format</b>	<b>Color</b>
<b>RYB</b>	11, 215, 5
Decimal	14143749
CIELab	81.87, -15.93, 81.43
CIELCh	82, 82.978, 101.071
Yxy	60.0590, 0.4239, 0.5006
Android (android.graphics.Color)	4292333829 (0xFFD7D105)
YUV	187.5380, -89.9912, 24.0842
Hunter-Lab	77.4977, -18.4825, 47.3185

# Details

The Yxy color **60.0590, 0.4239, 0.5006** 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 **5.1826, 0.1513, 0.0630**, and the grayscale version is **50.5144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **30.5106, 0.4204, 0.5044** is the 20% darker color. If you saturate the color by 10%, you get **59.9788, 0.4244, 0.5012**, and if you desaturate by 10%, it is **60.4312, 0.4209, 0.4970**.

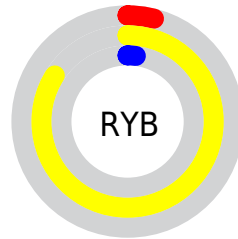
# Distribution



Red (84%)

Green (82%)

Blue (2%)



Red (4%)

Yellow (84%)

Blue (2%)

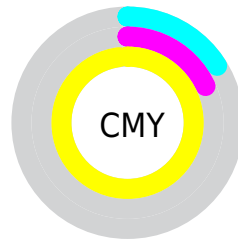


Cyan (0%)

Magenta (3%)

Yellow (98%)

Black (16%)



Cyan (16%)

Magenta (18%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0590, 0.4239, 0.5006 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 60.0590, 0.4239, 0.5006 by changing the saturation by 10% instead.





 60.0590, 0.4239,  
0.5006

 60.0590, 0.4239,  
0.5006

424.8152, 0.3807,  
0.4251

 43.4662, 0.4300,  
0.5146


 104.9153, 0.4117,  
0.4766


 30.2511, 0.4351,  
0.5297


 133.9475, 0.4061,  
0.4665

 20.0292, 0.4387,  
0.5460


 167.8950, 0.4009,  
0.4576

 12.4163, 0.4381,  
0.5619

 207.1421, 0.3961,  
0.4496

 7.0279, 0.4275,  
0.5725

 252.0733, 0.3917,  
0.4425

 3.4795, 0.4112,  
0.5888

 303.0730, 0.3877,

 1.3869, 0.3828,

0.4361

0.6172

360.5255, 0.3840,  
0.4303

■ 0.2070, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.0590, 0.4239,  
0.5006

■ 60.0590, 0.4239,  
0.5006

■ 59.9788, 0.4244,  
0.5012

■ 60.4312, 0.4209,  
0.4970

■ 60.8725, 0.4154,  
0.4894

■ 61.4011, 0.4073,  
0.4774

■ 62.0278, 0.3967,  
0.4614

■ 62.7620, 0.3840,  
0.4418

■ 63.6120, 0.3698,  
0.4196

■ 64.5852, 0.3547,  
0.3958

■ 65.6883, 0.3393,  
0.3714

■ 66.9278, 0.3240,  
0.3471

# Harmonies

## Analogous

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



60.0590, 0.4952, 0.4327



60.0590, 0.4239, 0.5006



60.0590, 0.3305, 0.5266

# Triad

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



60.0590, 0.4239, 0.5006



60.0590, 0.1429, 0.2434



60.0590, 0.3702, 0.2335

# Complementary

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



60.0590, 0.4239, 0.5006



5.1826, 0.1513, 0.0630

# 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.



60.0590, 0.2646, 0.1933



60.0590, 0.4239, 0.5006



60.0590, 0.1498, 0.1921

# Square

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



60.0590, 0.4239, 0.5006



60.0590, 0.1707, 0.3417



60.0590, 0.1893, 0.1782



60.0590, 0.4716, 0.2922



# Rectangle

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



60.0590, 0.4239, 0.5006



60.0590, 0.2668, 0.4947



60.0590, 0.1893, 0.1782



60.0590, 0.3331, 0.2176

# Sweetspot

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



60.0618, 0.4239, 0.5006



94.7725, 0.3572, 0.3999



14.5877, 0.6337, 0.3284



20.1512, 0.3638, 0.4102



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.



60.0618, 0.4239, 0.5006



88.2023, 0.4245, 0.5011



52.4081, 0.3418, 0.5655



14.4560, 0.3267, 0.3514



35.8954, 0.4244, 0.5013



2.1847, 0.4234, 0.5020



# Inverse Universe

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



5.1826, 0.1513, 0.0630



7.3788, 0.1503, 0.0612



7.9057, 0.1976, 0.0871



12.0652, 0.2981, 0.3056



3.0409, 0.1506, 0.0620

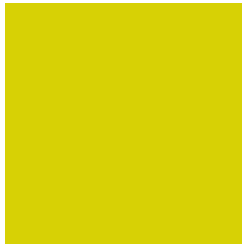


0.2040, 0.1523, 0.0681



# Previews

## White Background



This preview shows how the Yxy color 60.0590, 0.4239, 0.5006 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 60.0590, 0.4239, 0.5006 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 60.0590, 0.4239, 0.5006**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.0590, 0.4239, 0.5006.

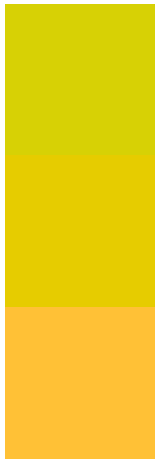


This preview shows how white text looks on a background with the Yxy color 60.0590, 0.4239, 0.5006.

# 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

60.0590, 0.4239, 0.5006

### Protanopia

60.0087, 0.4410, 0.4880

### Deuteranopia

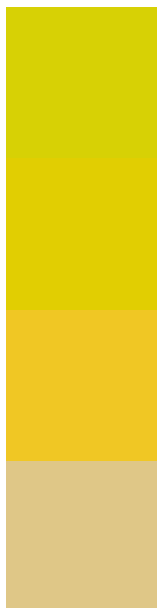
59.6663, 0.4604, 0.4505



## Tritanopia

59.6810, 0.3288, 0.3125

# Trichromacy



## Original Color

60.0590, 0.4239, 0.5006

## Protanomaly

60.1545, 0.4350, 0.4924

## Deuteranomaly

59.4995, 0.4486, 0.4709

## Tritanomaly

58.2841, 0.3815, 0.4026

# Monochromacy



## Original Color

60.0590, 0.4239, 0.5006

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

52.8661, 0.3713, 0.4223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.0590, 0.4239, 0.5006 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(215, 209, 5)` looks like.

```
.text, #text, p{  
    color:rgb(215, 209, 5)  
}
```

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(215, 209, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 209, 5) }
```

## Border

The CSS property to change the border of an element to Yxy 60.0590, 0.4239, 0.5006 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(215, 209, 5) }
```

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

```
.border{ border-color:rgb(215, 209, 5) }
```

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

Here you see how a box with a 4 pixel rgb(215, 209, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 209, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 209, 5);  
box-shadow:4px 4px 4px 4px rgb(215, 209,  
5) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.0590, 0.4239, 0.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 209, 5) }
```

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

```
.background{ background-color: rgb(215,  
209, 5) }
```

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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