

# Converting Colors

Yxy(51.5693, 0.4179, 0.4810)

Have a look what the booklet for  
Yxy(51.5693, 0.4179, 0.4810)  
contains.

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# Color

**Yxy(51.6689, 0.4175, 0.4813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCC234
RGB	204, 194, 52
RGB Percent	80%, 76%, 20%
CMY	0.1999, 0.2392, 0.7959
CMYK	0.00, 0.05, 0.74, 0.20
HSL	56°, 60%, 50%
HSV	56°, 74%, 80%
XYZ	44.8198, 51.6689, 10.8641
YIQ	180.8020, 51.5420, -42.0420

# Conversions

## Conversions Part 2

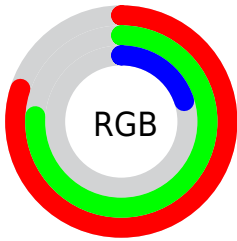
Format	Color
<b>R<sub>YB</sub></b>	63, 204, 52
Decimal	13419060
CIE <sub>Lab</sub>	77.08, -12.04, 67.72
CIE <sub>LCh</sub>	77, 68.786, 100.081
Yxy	51.6689, 0.4175, 0.4813
Android (android.graphics.Color)	4291609140 (0xFFCCC234)
YUV	180.8020, -63.4994, 20.3446
Hunter-Lab	71.8811, -14.4923, 41.3557

# Details

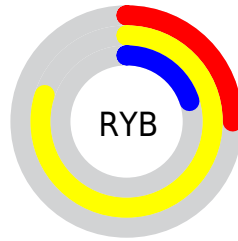
The Yxy color **51.6689, 0.4175, 0.4813** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **8.5455, 0.1742, 0.1060**, and the grayscale version is **46.4301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7353, 0.3973, 0.4611**, and **25.1607, 0.4253, 0.5005** is the 20% darker color. If you saturate the color by 10%, you get **50.9287, 0.4249, 0.4900**, and if you desaturate by 10%, it is **52.4989, 0.4075, 0.4682**.

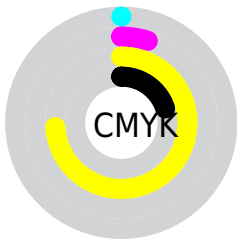
# Distribution



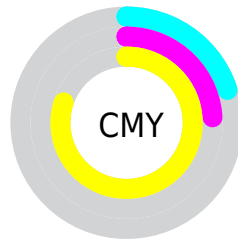
- Red (80%)
- Green (76%)
- Blue (20%)



- Red (25%)
- Yellow (80%)
- Blue (20%)



- Cyan (0%)
- Magenta (5%)
- Yellow (74%)
- Black (20%)




- Cyan (20%)
- Magenta (24%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6689, 0.4175, 0.4813 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 51.6689, 0.4175, 0.4813 by changing the saturation by 10% instead.




 51.6689, 0.4175,  
0.4813

 51.6689, 0.4175,  
0.4813


393.1570, 0.3727,  
0.4106


 36.7412, 0.4252,  
0.4957


 92.6428, 0.4037,  
0.4578

 25.0072, 0.4329,  
0.5119


 119.4577, 0.3977,  
0.4483


 16.0824, 0.4394,  
0.5296


 151.0039, 0.3923,  
0.4399

 9.5825, 0.4470,  
0.5530

 187.6657, 0.3876,  
0.4326

 5.1230, 0.4374,  
0.5626

 229.8276, 0.3833,  
0.4261

 2.3196, 0.4218,  
0.5782

277.8738, 0.3794,

 0.7841, 0.3653,

0.4204

0.6347

332.1888, 0.3759,  
0.4152

0.0000, 0.0000,  
0.0000

51.6689, 0.4175,  
0.4813

51.6689, 0.4175,  
0.4813

50.9287, 0.4249,  
0.4900

52.4989, 0.4075,  
0.4682

50.2598, 0.4296,  
0.4944

53.4203, 0.3952,  
0.4513

49.9117, 0.4314,  
0.4956

54.4437, 0.3811,  
0.4313

55.5758, 0.3659,  
0.4092

56.8232, 0.3502,  
0.3859

■ 58.1917, 0.3346,  
0.3623

■ 59.6867, 0.3193,  
0.3391

■ 61.3132, 0.3048,  
0.3169

■ 63.0762, 0.2913,  
0.2959

# Harmonies

## Analogous

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



51.6689, 0.4778, 0.4240



51.6689, 0.4175, 0.4813



51.6689, 0.3346, 0.5001

# Triad

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



51.6689, 0.4175, 0.4813



51.6689, 0.1604, 0.2574



51.6689, 0.3606, 0.2423

# Complementary

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



51.6689, 0.4175, 0.4813



8.5455, 0.1742, 0.1060

# 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.



51.6689, 0.2682, 0.2061



51.6689, 0.4175, 0.4813



51.6689, 0.1653, 0.2083

# Square

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



51.6689, 0.4175, 0.4813



51.6689, 0.1883, 0.3450



51.6689, 0.2009, 0.1934



51.6689, 0.4491, 0.2959



# Rectangle

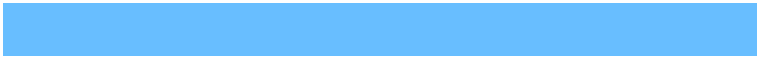
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.6689, 0.4175, 0.4813



51.6689, 0.2773, 0.4726



51.6689, 0.2009, 0.1934



51.6689, 0.3283, 0.2279

# Sweetspot

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



51.6713, 0.4175, 0.4813



94.5592, 0.3468, 0.3807



15.6508, 0.5531, 0.3204



20.1113, 0.3511, 0.3872



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.



51.6713, 0.4175, 0.4813



83.6767, 0.4279, 0.4930



48.8645, 0.3536, 0.5280



12.9649, 0.3267, 0.3504



31.4596, 0.4312, 0.4958



1.6620, 0.4287, 0.4978



# Inverse Universe

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



8.5455, 0.1742, 0.1060



9.1974, 0.1565, 0.0742



10.6655, 0.2215, 0.1206



10.9609, 0.2982, 0.3066



2.9820, 0.1513, 0.0646



0.1964, 0.1556, 0.0801



# Previews

## White Background



This preview shows how the Yxy color 51.6689, 0.4175, 0.4813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

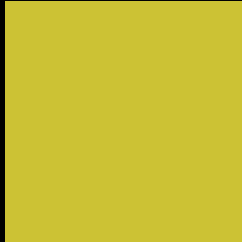
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.6689, 0.4175, 0.4813 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 51.6689, 0.4175, 0.4813**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.6689, 0.4175, 0.4813.



This preview shows how white text looks on a background with the Yxy color 51.6689, 0.4175, 0.4813.

# 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

51.6689, 0.4175, 0.4813

### Protanopia

51.7968, 0.4292, 0.4734

### Deuteranopia

51.5304, 0.4559, 0.4471



## Tritanopia

51.5868, 0.3315, 0.3127

# Trichromacy



## Original Color

51.6689, 0.4175, 0.4813

## Protanomaly

51.6399, 0.4248, 0.4767

## Deuteranomaly

51.5721, 0.4420, 0.4593

## Tritanomaly

51.0980, 0.3707, 0.3813

# Monochromacy



## Original Color

51.6689, 0.4175, 0.4813

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.6579, 0.3571, 0.3971

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.6689, 0.4175, 0.4813 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(204, 194, 52)` looks like.

```
.text, #text, p{  
    color:rgb(204, 194, 52)  
}
```

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(204, 194, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 194, 52) }
```

## Border

The CSS property to change the border of an element to Yxy 51.6689, 0.4175, 0.4813 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(204, 194, 52) }
```

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

```
.border{ border-color:rgb(204, 194, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 194, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 194, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 194, 52);  
box-shadow:4px 4px 4px 4px rgb(204, 194,  
52) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.6689, 0.4175, 0.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 194, 52) }
```

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

```
.background{ background-color: rgb(204,  
194, 52) }
```

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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