

# Converting Colors

$Y_{xy}(55.6240, 0.4223, 0.5029)$

Have a look what the booklet for  
Yxy(55.6240, 0.4223, 0.5029)  
contains.

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**Color**

**Yxy(55.8337, 0.4219, 0.5032)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CECB00
RGB	206, 203, 0
RGB Percent	81%, 80%, 0%
CMY	0.1921, 0.2039, 0.9998
CMYK	0.00, 0.01, 1.00, 0.19
HSL	59°, 100%, 40%
HSV	59°, 100%, 81%
XYZ	46.8129, 55.8337, 8.3107
YIQ	180.7550, 66.9510, -62.4970

# Conversions

## Conversions Part 2

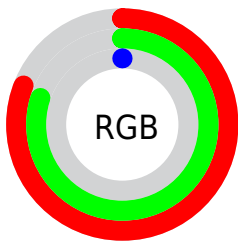
Format	Color
R <sub>Y</sub> B	3, 206, 0
Decimal	13552384
CIE Lab	79.52, -16.86, 79.85
CIE LCh	80, 81.610, 101.921
Yxy	55.8337, 0.4219, 0.5032
Android (android.graphics.Color)	4291742464 (0xFFCECB00)
YUV	180.7550, -89.1122, 22.1399
Hunter-Lab	74.7220, -18.9342, 45.7110

# Details

The Yxy color **55.8337, 0.4219, 0.5032** 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 **4.5240, 0.1502, 0.0608**, and the grayscale version is **46.5390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4359, 0.4042, 0.4802**, and **27.6979, 0.4170, 0.5071** is the 20% darker color. If you saturate the color by 10%, you get **55.8358, 0.4219, 0.5032**, and if you desaturate by 10%, it is **56.0316, 0.4195, 0.4999**.

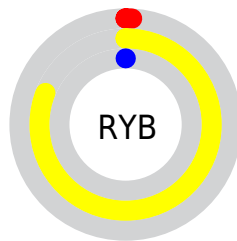
# Distribution



Red (81%)

Green (80%)

Blue (0%)



Red (1%)

Yellow (81%)

Blue (0%)

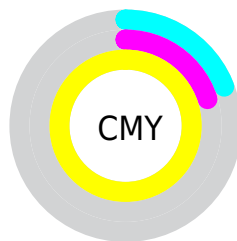


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (20%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8337, 0.4219, 0.5032 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 55.8337, 0.4219, 0.5032 by changing the saturation by 10% instead.




 55.8337, 0.4219,  
0.5032

 55.8337, 0.4219,  
0.5032


409.0645, 0.3791,  
0.4252


 40.0696, 0.4278,  
0.5179


 98.7614, 0.4099,  
0.4782


 27.5928, 0.4326,  
0.5338


 126.6938, 0.4043,  
0.4677

 18.0189, 0.4362,  
0.5520


 159.4510, 0.3991,  
0.4585

 10.9636, 0.4329,  
0.5671

 197.4176, 0.3944,  
0.4503

 6.0424, 0.4206,  
0.5794

 240.9778, 0.3900,  
0.4430

 2.8709, 0.4011,  
0.5989

 290.5161, 0.3861,

 1.0647, 0.3566,

0.4364

0.6434

346.4169, 0.3825,  
0.4305

■ 0.0000, 0.0000,  
0.0000

■ 55.8337, 0.4219,  
0.5032

■ 55.8337, 0.4219,  
0.5032

■ 55.8358, 0.4219,  
0.5032

■ 56.0316, 0.4195,  
0.4999

■ 56.2835, 0.4150,  
0.4931

■ 56.6109, 0.4078,  
0.4820

■ 57.0243, 0.3981,  
0.4667

■ 57.5322, 0.3862,  
0.4477

■ 58.1424, 0.3726,  
0.4259

■ 58.8616, 0.3579,  
0.4023

■ 59.6961, 0.3427,  
0.3777

■ 60.6518, 0.3275,  
0.3530

# Harmonies

## Analogous

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



55.8337, 0.4947, 0.4352



55.8337, 0.4219, 0.5032



55.8337, 0.3276, 0.5278

# Triad

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



55.8337, 0.4219, 0.5032



55.8337, 0.1417, 0.2406



55.8337, 0.3738, 0.2343

# Complementary

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



55.8337, 0.4219, 0.5032



4.5240, 0.1502, 0.0608

# 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.



55.8337, 0.2669, 0.1933



55.8337, 0.4219, 0.5032



55.8337, 0.1496, 0.1904

# Square

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



55.8337, 0.4219, 0.5032



55.8337, 0.1684, 0.3383



55.8337, 0.1902, 0.1774



55.8337, 0.4751, 0.2937



# Rectangle

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



55.8337, 0.4219, 0.5032



55.8337, 0.2637, 0.4939



55.8337, 0.1902, 0.1774



55.8337, 0.3363, 0.2182

# Sweetspot

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



55.8363, 0.4219, 0.5032



95.3023, 0.3585, 0.4032



13.1329, 0.6385, 0.3291



20.2881, 0.3649, 0.4135



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.



55.8363, 0.4219, 0.5032



90.4223, 0.4219, 0.5032



47.2428, 0.3384, 0.5695



13.0674, 0.3266, 0.3516



34.3898, 0.4219, 0.5032



1.7833, 0.4213, 0.5037



# Inverse Universe

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



4.5240, 0.1502, 0.0608



7.3010, 0.1502, 0.0606



7.1451, 0.1984, 0.0867



10.8698, 0.2982, 0.3054



2.7967, 0.1503, 0.0610

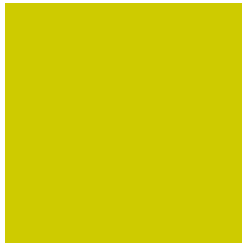


0.1537, 0.1513, 0.0646



# Previews

## White Background



This preview shows how the Yxy color 55.8337, 0.4219, 0.5032 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

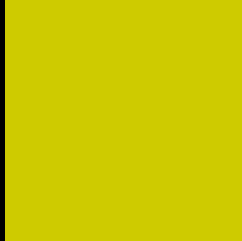
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.8337, 0.4219, 0.5032 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 55.8337, 0.4219, 0.5032**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8337, 0.4219, 0.5032.

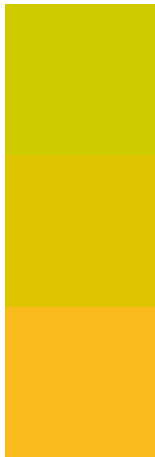


This preview shows how white text looks on a background with the Yxy color 55.8337, 0.4219, 0.5032.

# 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

55.8337, 0.4219, 0.5032

### Protanopia

55.4621, 0.4409, 0.4881

### Deuteranopia

55.7741, 0.4684, 0.4578



## Tritanopia

55.7671, 0.3266, 0.3130

# Trichromacy



## Original Color

55.8337, 0.4219, 0.5032

## Protanomaly

55.4458, 0.4340, 0.4936

## Deuteranomaly

55.5106, 0.4518, 0.4751

## Tritanomaly

54.4647, 0.3804, 0.4063

# Monochromacy



## Original Color

55.8337, 0.4219, 0.5032

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

48.5801, 0.3715, 0.4244

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8337, 0.4219, 0.5032 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, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 203, 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(206, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 203, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8337, 0.4219, 0.5032 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, 203, 0) }
```

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

```
.border{ border-color:rgb(206, 203, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 203, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 203, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 203, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 203,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8337, 0.4219, 0.5032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 203, 0) }
```

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

```
.background{ background-color: rgb(206,  
203, 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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