

# Converting Colors

XYZ(51.2187, 56.7161, 8.5349)

Have a look what the booklet for  
XYZ(51.2187, 56.7161, 8.5349)  
contains.

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# Color

**XYZ(51.2187, 56.7161,  
8.5349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0C70A
RGB	224, 199, 10
RGB Percent	88%, 78%, 4%
CMY	0.1216, 0.2196, 0.9607
CMYK	0.00, 0.11, 0.96, 0.12
HSL	53°, 91%, 46%
HSV	53°, 96%, 88%
XYZ	51.2187, 56.7161, 8.5349
YIQ	184.9290, 75.5690, -53.4790

# Conversions

## Conversions Part 2

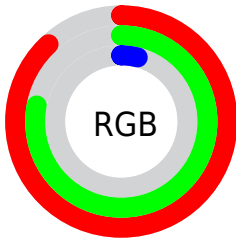
Format	Color
R <sub>Y</sub> B	38, 224, 10
Decimal	14731018
CIE Lab	80.02, -7.00, 79.96
CIE LCh	80, 80.263, 95.001
Yxy	56.7161, 0.4398, 0.4870
Android (android.graphics.Color)	4292921098 (0xFFE0C70A)
YUV	184.9290, -86.2400, 34.2653
Hunter-Lab	75.3101, -10.3941, 45.9977

# Details

The XYZ color **51.2187, 56.7161, 8.5349** 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 **14.1814, 6.6494, 71.0565**, and the grayscale version is **46.5125, 48.9348, 53.2900**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **25.5887, 28.4503, 4.1428** is the 20% darker color. If you saturate the color by 10%, you get **50.8968, 56.1602, 8.1575**, and if you desaturate by 10%, it is **52.0388, 58.0179, 9.8526**.

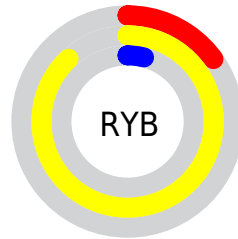
# Distribution



Red (88%)

Green (78%)

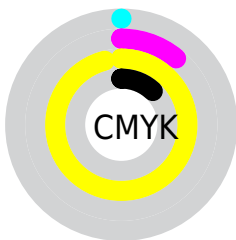
Blue (4%)



Red (15%)

Yellow (88%)

Blue (4%)

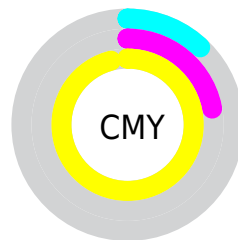


Cyan (0%)

Magenta (11%)

Yellow (96%)

Black (12%)



Cyan (12%)

Magenta (22%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2187, 56.7161, 8.5349 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 XYZ color 51.2187, 56.7161, 8.5349 by changing the saturation by 10% instead.



■ 51.2187, 56.7161,  
8.5349

■ 51.2187, 56.7161,  
8.5349

381.7866,  
412.3846, 189.9578

■ 36.6044, 40.7774,  
4.3464

■ 91.1590, 100.0508,  
23.5638

■ 25.0736, 28.1452,  
1.8173

■ 117.2158,  
128.2156, 35.2414

■ 16.2610, 18.4351,  
0.4393

■ 147.8175,  
161.2245, 50.2524

■ 9.8010, 11.2628,  
0.0000

■ 183.3294,  
199.4619, 69.0153

■ 5.3285, 6.2439,  
0.0000

■ 224.1169,  
243.3122, 91.9488

■ 2.4780, 2.9939,  
0.0000

■ 270.5454,

■ 0.8842, 1.1286,

293.1599, 119.4714

0.0000

322.9801,  
349.3892, 152.0015

■ 0.0000, 0.0022,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 51.2187, 56.7161,  
8.5349

■ 51.2187, 56.7161,  
8.5349

■ 50.8968, 56.1602,  
8.1575

■ 52.0388, 58.0179,  
9.8526

■ 53.0752, 59.4207,  
12.2640

■ 54.3654, 60.9417,  
15.9598

■ 55.9385, 62.5927,  
21.0941

■ 57.8199, 64.3838,  
27.7992

■ 60.0317, 66.3241,  
36.1925

■ 62.5944, 68.4218,  
46.3802

■ 65.5262, 70.6843,  
58.4599

■ 68.8446, 73.1185,  
72.5218

# Harmonies

## Analogous

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



68.2764, 56.7161, 10.8797



51.2187, 56.7161, 8.5349



37.8445, 56.7161, 13.5308

# Triad

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



51.2187, 56.7161, 8.5349



32.0818, 56.7161, 128.9299



87.6198, 56.7161, 108.0193

# Complementary

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



51.2187, 56.7161, 8.5349



14.1814, 6.6494, 71.0565

# 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.



73.9716, 56.7161, 168.4156



51.2187, 56.7161, 8.5349



41.7099, 56.7161, 184.1679

# Square

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



51.2187, 56.7161, 8.5349



28.3112, 56.7161, 69.9204



56.6877, 56.7161, 201.4043



91.5744, 56.7161, 54.2499



# Rectangle

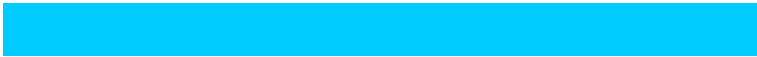
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.2187, 56.7161, 8.5349



32.0811, 56.7161, 23.2353



56.6877, 56.7161, 201.4043



83.8953, 56.7161, 128.9236

# Sweetspot

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



51.2200, 56.7188, 8.5360



82.6518, 90.7305, 56.8995



31.2078, 16.2083, 3.3644



17.3785, 19.1629, 10.9412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.2200, 56.7188, 8.5360



68.2235, 75.2270, 10.9245



38.4829, 59.4018, 9.7252



14.7279, 15.7418, 14.5690



29.6810, 32.7999, 4.7667



2.0966, 2.3520, 0.3435



# Inverse Universe

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



14.1814, 6.6494, 71.0565



18.5088, 8.1377, 95.2029



17.6333, 7.6975, 71.0768



13.0803, 13.4998, 17.3040



8.0915, 3.6526, 41.3269



0.6043, 0.3400, 2.8790



# Previews

## White Background



This preview shows how the XYZ color 51.2187, 56.7161, 8.5349 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 XYZ color 51.2187, 56.7161, 8.5349 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](#).

**XYZ 51.2187, 56.7161, 8.5349**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2187, 56.7161, 8.5349.



This preview shows how white text looks on a background with the XYZ color 51.2187, 56.7161,



# 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

51.2187, 56.7161, 8.5349

### Protanopia

51.2187, 56.7161, 8.5349

### Deuteranopia

57.9533, 56.5503, 8.8381



## Tritanopia

62.2498, 56.6543, 61.6873

# Trichromacy



## Original Color

51.2187, 56.7161, 8.5349

## Protanomaly

51.2187, 56.7161, 8.5349

## Deuteranomaly

55.2515, 56.4506, 8.6458

## Tritanomaly

55.7214, 55.5944, 28.9131

# Monochromacy



## Original Color

51.2187, 56.7161, 8.5349

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

45.4178, 50.3495, 25.4138

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2187, 56.7161, 8.5349 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(224, 199, 10)` looks like.

```
.text, #text, p{  
    color:rgb(224, 199, 10)  
}
```

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(224, 199, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 199, 10) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2187, 56.7161, 8.5349 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(224, 199, 10) }
```



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

```
.border{ border-color:rgb(224, 199, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 199, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 199, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 199, 10);  
box-shadow:4px 4px 4px 4px rgb(224, 199,  
10) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2187, 56.7161, 8.5349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 199, 10) }
```

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

```
.background{ background-color: rgb(224,  
199, 10) }
```

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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