

# Converting Colors

XYZ(45.6161, 57.0219, 11.3850)

Have a look what the booklet for  
XYZ(45.6161, 57.0219, 11.3850)  
contains.

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# Color

**XYZ(45.5951, 56.9273,  
11.3813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D030
RGB	195, 208, 48
RGB Percent	76%, 82%, 19%
CMY	0.2353, 0.1843, 0.8117
CMYK	0.06, 0.00, 0.77, 0.18
HSL	65°, 63%, 50%
HSV	65°, 77%, 82%
XYZ	45.5951, 56.9273, 11.3813
YIQ	185.8730, 43.6120, -52.5160

# Conversions

## Conversions Part 2

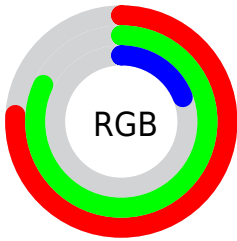
Format	Color
R <sub>Y</sub> B	48, 208, 61
Decimal	12832816
CIE Lab	80.14, -22.98, 71.54
CIE LCh	80, 75.145, 107.809
Yxy	56.9273, 0.4003, 0.4998
Android (android.graphics.Color)	4291022896 (0xFFC3D030)
YUV	185.8730, -67.9714, 8.0044
Hunter-Lab	75.4502, -24.1690, 43.8715

# Details

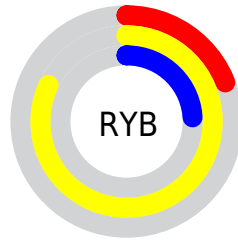
The XYZ color **45.5951, 56.9273, 11.3813** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.3684, 7.6614, 60.3995**, and the grayscale version is **46.9542, 49.3995, 53.7960**.

A 20% lighter version of the original color is **79.6538, 93.8415, 27.8249**, and **21.8721, 28.4296, 4.3347** is the 20% darker color. If you saturate the color by 10%, you get **44.8285, 56.5726, 9.6064**, and if you desaturate by 10%, it is **46.5704, 57.3703, 14.2180**.

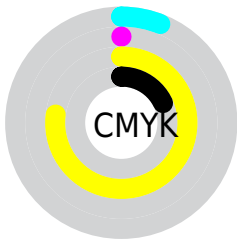
# Distribution



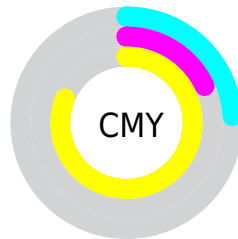
- Red (76%)
- Green (82%)
- Blue (19%)



- Red (19%)
- Yellow (82%)
- Blue (24%)



- Cyan (6%)
- Magenta (0%)
- Yellow (77%)
- Black (18%)



- Cyan (24%)
- Magenta (18%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5951, 56.9273, 11.3813 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 45.5951, 56.9273, 11.3813 by changing the saturation by 10% instead.



■ 45.5951, 56.9273,  
11.3813

■ 45.5951, 56.9273,  
11.3813

359.9217,  
413.1768, 211.0956

■ 32.1297, 40.9469,  
6.2065

■ 82.8443, 100.3591,  
29.0105

■ 21.6166, 28.2776,  
2.9003

■ 107.3588,  
128.5793, 42.3020

■ 13.6905, 18.5350,  
1.0439

■ 136.2870,  
161.6481, 59.1361

■ 7.9860, 11.3348,  
0.0000

■ 169.9943,  
199.9501, 79.9315

■ 4.1377, 6.2925,  
0.0000

■ 208.8461,  
243.8696, 105.1065

■ 1.7803, 3.0237,  
0.0000

253.2077,

■ 0.5058, 1.1441,

293.7909, 135.0799

0.0000

303.4444,  
350.0985, 170.2701

■ 0.0000, 0.0154,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.5951, 56.9273,  
11.3813

■ 45.5951, 56.9273,  
11.3813

■ 44.8285, 56.5726,  
9.6064

■ 46.5704, 57.3703,  
14.2180

■ 44.2339, 56.2851,  
8.7167

■ 47.7754, 57.9036,  
18.2442

■ 44.0675, 56.2034,  
8.5257

■ 49.2327, 58.5384,  
23.5731

■ 50.9612, 59.2823,  
30.3039

■ 52.9779, 60.1421,  
38.5264

■ 55.2984, 61.1239,  
48.3227

■ 57.9373, 62.2337,  
59.7689

■ 60.9081, 63.4768,  
72.9364

■ 64.2235, 64.8584,  
87.8921

# Harmonies

## Analogous

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



60.5647, 56.9273, 10.7043



45.5951, 56.9273, 11.3813



35.0976, 56.9273, 20.8559

# Triad

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



45.5951, 56.9273, 11.3813



36.6486, 56.9273, 147.7717



88.2803, 56.9273, 81.5447

# Complementary

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



45.5951, 56.9273, 11.3813



14.3684, 7.6614, 60.3995

# 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.



78.9781, 56.9273, 137.5885



45.5951, 56.9273, 11.3813



48.1268, 56.9273, 186.2903

# Square

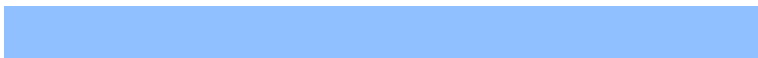
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.5951, 56.9273, 11.3813



30.6428, 56.9273, 91.5072



63.6189, 56.9273, 181.8721



87.2495, 56.9273, 39.6109



# Rectangle

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



45.5951, 56.9273, 11.3813



31.1728, 56.9273, 35.2848



63.6189, 56.9273, 181.8721



86.1953, 56.9273, 99.5872

# Sweetspot

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



45.5964, 56.9299, 11.3825



85.2714, 95.8884, 66.4477



28.0949, 16.7187, 4.5433



17.9760, 20.4072, 13.0710



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.



45.5964, 56.9299, 11.3825



70.4586, 89.3928, 14.2216



30.4727, 49.1334, 10.6747



12.7047, 13.7467, 12.5958



27.5027, 35.0471, 5.3152



1.5665, 1.9744, 0.2985



# Inverse Universe

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



14.3684, 7.6614, 60.3995



19.1619, 8.1751, 95.1758



23.0360, 12.1297, 60.8052



11.2515, 11.4629, 14.8632



7.2721, 2.9292, 37.3746



0.4383, 0.1801, 2.0912



# Previews

## White Background



This preview shows how the XYZ color 45.5951, 56.9273, 11.3813 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 45.5951, 56.9273, 11.3813 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 45.5951, 56.9273, 11.3813**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.5951, 56.9273, 11.3813.



This preview shows how white text looks on a background with the XYZ color 45.5951, 56.9273,



# 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

45.5951, 56.9273, 11.3813

### Protanopia

51.3480, 56.7321, 10.8288

### Deuteranopia

57.7887, 56.4016, 11.7117



## Tritanopia

57.0949, 56.7423, 68.2647

# Trichromacy



## Original Color

45.5951, 56.9273, 11.3813

## Protanomaly

49.0742, 56.5924, 11.0263

## Deuteranomaly

52.4941, 55.9546, 11.5236

## Tritanomaly

50.8303, 55.8862, 36.9622

# Monochromacy



## Original Color

45.5951, 56.9273, 11.3813

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

44.7220, 51.1800, 30.8142

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5951, 56.9273, 11.3813 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(195, 208, 48)` looks like.

```
.text, #text, p{  
    color:rgb(195, 208, 48)  
}
```

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(195, 208, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 208, 48) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5951, 56.9273, 11.3813 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(195, 208, 48) }
```



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

```
.border{ border-color:rgb(195, 208, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 208, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 208, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 208, 48);  
box-shadow:4px 4px 4px 4px rgb(195, 208,  
48) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5951, 56.9273, 11.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 208, 48) }
```

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

```
.background{ background-color: rgb(195,  
208, 48) }
```

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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