

# Converting Colors

XYZ(56.5339, 62.2921, 13.2851)

Have a look what the booklet for  
XYZ(56.5339, 62.2921, 13.2851)  
contains.

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# Color

**XYZ(56.4071, 62.1077,  
13.2900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8CF3C
RGB	232, 207, 60
RGB Percent	91%, 81%, 24%
CMY	0.0902, 0.1882, 0.7647
CMYK	0.00, 0.11, 0.74, 0.09
HSL	51°, 79%, 57%
HSV	51°, 74%, 91%
XYZ	56.4071, 62.1077, 13.2900
YIQ	197.7170, 62.0870, -40.4170

# Conversions

## Conversions Part 2

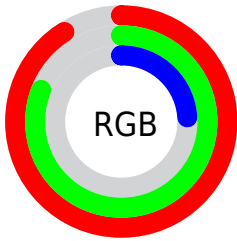
Format	Color
R <sub>Y</sub> B	89, 232, 60
Decimal	15257404
CIE Lab	82.97, -6.42, 71.43
CIE LCh	83, 71.718, 95.134
Yxy	62.1077, 0.4280, 0.4712
Android (android.graphics.Color)	4293447484 (0xFFE8CF3C)
YUV	197.7170, -67.8945, 30.0662
Hunter-Lab	78.8084, -10.1535, 45.1674

# Details

The XYZ color **56.4071, 62.1077, 13.2900** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **19.6775, 13.2837, 77.8701**, and the grayscale version is **53.8790, 56.6849, 61.7299**.

A 20% lighter version of the original color is **80.2109, 94.0644, 30.7583**, and **28.4045, 31.5531, 4.5933** is the 20% darker color. If you saturate the color by 10%, you get **55.1155, 60.3005, 10.4686**, and if you desaturate by 10%, it is **57.9876, 64.0632, 17.5344**.

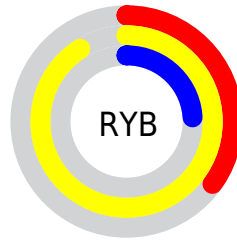
# Distribution



Red (91%)

Green (81%)

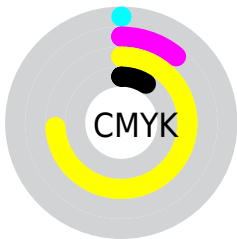
Blue (24%)



Red (35%)

Yellow (91%)

Blue (24%)

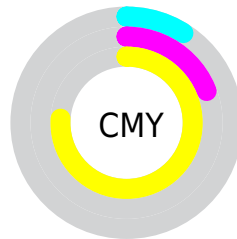


Cyan (0%)

Magenta (11%)

Yellow (74%)

Black (9%)



Cyan (9%)

Magenta (19%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4071, 62.1077, 13.2900 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 56.4071, 62.1077, 13.2900 by changing the saturation by 10% instead.



■ 56.4071, 62.1077,  
13.2900

■ 56.4071, 62.1077,  
13.2900

401.2741,  
432.3238, 224.0407

■ 40.7677, 45.1197,  
7.4955

■ 98.7359, 107.8812,  
32.5226

■ 28.3245, 31.5517,  
3.6907

■ 126.1560,  
137.4355, 46.7978

■ 18.7121, 21.0193,  
1.4573

■ 158.2338,  
171.9473, 64.7369

■ 11.5652, 13.1381,  
0.1858

■ 195.3345,  
211.8011, 86.7585

■ 6.5184, 7.5237,  
0.0000

■ 237.8235,  
257.3813, 113.2811

■ 3.2064, 3.7917,  
0.0000

286.0662,

■ 1.2638, 1.5578,

309.0722, 144.7233

0.0000

340.4280,  
367.2582, 181.5037

■ 0.1559, 0.3289,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.4071, 62.1077,  
13.2900

■ 56.4071, 62.1077,  
13.2900

■ 55.1155, 60.3005,  
10.4686

■ 57.9876, 64.0632,  
17.5344

■ 54.0705, 58.6172,  
8.8660

■ 59.8841, 66.1708,  
23.3625

■ 53.5381, 57.6750,  
8.3106

■ 62.1250, 68.4444,  
30.9172

■ 64.7344, 70.8938,  
40.3247

■ 67.7341, 73.5279,  
51.6993

■ 71.1441, 76.3548,  
65.1460

■ 74.9830, 79.3822,  
80.7624

■ 79.2684, 82.6173,  
98.6399

■ 81.7133, 85.1454,  
106.7357

# Harmonies

## Analogous

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



72.4565, 62.1077, 16.0137



56.4071, 62.1077, 13.2900



43.5019, 62.1077, 19.1154

# Triad

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



56.4071, 62.1077, 13.2900



37.8776, 62.1077, 129.5202



90.3735, 62.1077, 110.1882

# Complementary

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



56.4071, 62.1077, 13.2900



19.6775, 13.2837, 77.8701

# 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.



77.8764, 62.1077, 164.0691



56.4071, 62.1077, 13.2900



47.3765, 62.1077, 178.2354

# Square

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



56.4071, 62.1077, 13.2900



34.0666, 62.1077, 75.5456



61.7361, 62.1077, 193.0580



93.9266, 62.1077, 60.2778



# Rectangle

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



56.4071, 62.1077, 13.2900



37.8181, 62.1077, 29.6551



61.7361, 62.1077, 193.0580



86.9840, 62.1077, 129.0163

# Sweetspot

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



56.4085, 62.1107, 13.2912



84.7515, 91.8075, 67.2257



36.5664, 21.0567, 10.9000



17.9069, 19.4523, 13.4831



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.



56.4085, 62.1107, 13.2912



67.5772, 73.5980, 11.7459



46.6418, 66.7872, 14.7087



15.4137, 16.4414, 15.2656



29.7947, 32.1635, 4.6378



2.2507, 2.4747, 0.3590



# Inverse Universe

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



19.6775, 13.2837, 77.8701



20.2005, 10.8081, 95.6292



23.9555, 13.0661, 77.6027



13.7510, 14.2233, 18.1650



8.4542, 3.9705, 42.7040



0.6780, 0.3999, 3.1734



# Previews

## White Background



This preview shows how the XYZ color 56.4071, 62.1077, 13.2900 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 56.4071, 62.1077, 13.2900 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 56.4071, 62.1077, 13.2900

## Background



This preview shows how black text looks on a background with the XYZ color 56.4071, 62.1077, 13.2900.



This preview shows how white text looks on a background with the XYZ color 56.4071, 62.1077,



# 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

56.4071, 62.1077, 13.2900

### Protanopia

56.4071, 62.1077, 13.2900

### Deuteranopia

62.9677, 61.8971, 17.8611



## Tritanopia

67.4173, 61.7487, 68.0399

# Trichromacy



## Original Color

56.4071, 62.1077, 13.2900

## Protanomaly

56.4071, 62.1077, 13.2900

## Deuteranomaly

60.6196, 62.0975, 15.9987

## Tritanomaly

61.6234, 61.0720, 39.1120

# Monochromacy



## Original Color

56.4071, 62.1077, 13.2900

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

52.8103, 57.6130, 36.3540

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.4071, 62.1077, 13.2900 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(232, 207, 60)` looks like.

```
.text, #text, p{  
    color:rgb(232, 207, 60)  
}
```

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(232, 207, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 207, 60) }
```

## Border

The CSS property to change the border of an element to XYZ 56.4071, 62.1077, 13.2900 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(232, 207, 60) }
```



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

```
.border{ border-color:rgb(232, 207, 60) }
```

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

Here you see how a box with a 4 pixel rgb(232, 207, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 207, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 207, 60);  
box-shadow:4px 4px 4px 4px rgb(232, 207,  
60) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.4071, 62.1077, 13.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 207, 60) }
```

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

```
.background{ background-color: rgb(232,  
207, 60) }
```

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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