

# Converting Colors

XYZ(57.3537, 62.9515, 13.6841)

Have a look what the booklet for  
XYZ(57.3537, 62.9515, 13.6841)  
contains.

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# Color

**XYZ(57.3571, 62.9520,  
13.6853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAD03E
RGB	234, 208, 62
RGB Percent	92%, 82%, 24%
CMY	0.0824, 0.1843, 0.7568
CMYK	0.00, 0.11, 0.74, 0.08
HSL	51°, 80%, 58%
HSV	51°, 74%, 92%
XYZ	57.3571, 62.9520, 13.6853
YIQ	199.1300, 62.3620, -39.8940

# Conversions

## Conversions Part 2

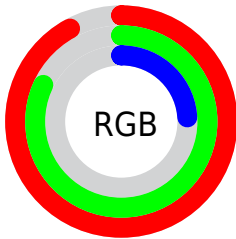
Format	Color
R <sub>YB</sub>	93, 234, 62
Decimal	15388734
CIE Lab	83.42, -6.00, 71.23
CIE LCh	83, 71.478, 94.812
Yxy	62.9520, 0.4281, 0.4698
Android (android.graphics.Color)	4293578814 (0xFFEAD03E)
YUV	199.1300, -67.6051, 30.5810
Hunter-Lab	79.3423, -9.8101, 45.3130

# Details

The XYZ color **57.3571, 62.9520, 13.6853** 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 **20.3277, 13.9439, 79.4615**, and the grayscale version is **54.7416, 57.5924, 62.7182**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **29.0112, 32.1099, 4.6688** is the 20% darker color. If you saturate the color by 10%, you get **55.9959, 61.0457, 10.7170**, and if you desaturate by 10%, it is **59.0166, 65.0133, 18.1172**.

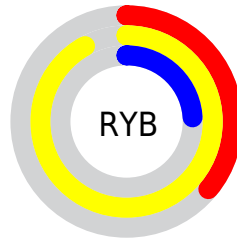
# Distribution



Red (92%)

Green (82%)

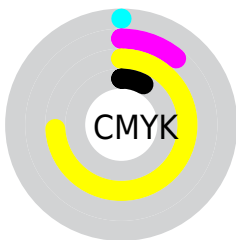
Blue (24%)



Red (36%)

Yellow (92%)

Blue (24%)

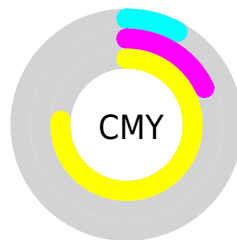


Cyan (0%)

Magenta (11%)

Yellow (74%)

Black (8%)



Cyan (8%)

Magenta (18%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3571, 62.9520, 13.6853 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 57.3571, 62.9520, 13.6853 by changing the saturation by 10% instead.



■ 57.3571, 62.9520,  
13.6853

■ 57.3571, 62.9520,  
13.6853

404.7786,  
435.3953, 226.6241

■ 41.5333, 45.8024,  
7.7659

■ 100.1144,  
109.1003, 33.2386

■ 28.9255, 32.0899,  
3.8599

■ 127.7786,  
138.8677, 47.7096

■ 19.1685, 21.4302,  
1.5488

■ 160.1203,  
173.6098, 65.8682

■ 11.8968, 13.4388,  
0.2539

■ 197.5048,  
213.7111, 88.1330

■ 6.7451, 7.7314,  
0.0000

■ 240.2976,  
259.5559, 114.9224

■ 3.3481, 3.9236,  
0.0000

288.8639,

■ 1.3404, 1.6309,

311.5286, 146.6550

0.0000

343.5691,  
370.0136, 183.7494

■ 0.2132, 0.3783,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3571, 62.9520,  
13.6853

■ 57.3571, 62.9520,  
13.6853

■ 55.9959, 61.0457,  
10.7170

■ 59.0166, 65.0133,  
18.1172

■ 54.8903, 59.2697,  
9.0068

■ 61.0019, 67.2334,  
24.1752

■ 54.2712, 58.1717,  
8.3679

■ 63.3417, 69.6265,  
32.0042

■ 66.0604, 72.2025,  
41.7320

■ 69.1803, 74.9705,  
53.4749

■ 72.7216, 77.9388,  
67.3395

■ 76.7034, 81.1152,  
83.4251

■ 81.1434, 84.5069,  
101.8246

■ 83.0927, 86.9346,  
107.0084

# Harmonies

## Analogous

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



73.5023, 62.9520, 16.5461



57.3571, 62.9520, 13.6853



44.3169, 62.9520, 19.4948

# Triad

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



57.3571, 62.9520, 13.6853



38.4645, 62.9520, 130.0760



91.2236, 62.9520, 111.8967

# Complementary

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



57.3571, 62.9520, 13.6853



20.3277, 13.9439, 79.4615

# 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.



78.6064, 62.9520, 165.8001



57.3571, 62.9520, 13.6853



47.9748, 62.9520, 179.1038

# Square

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



57.3571, 62.9520, 13.6853



34.6828, 62.9520, 75.9924



62.3812, 62.9520, 194.4141



94.9032, 62.9520, 61.5989



# Rectangle

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



57.3571, 62.9520, 13.6853



38.5483, 62.9520, 30.0537



62.3812, 62.9520, 194.4141



87.7912, 62.9520, 130.7822

# Sweetspot

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



57.3585, 62.9550, 13.6866



84.6519, 91.6083, 67.1925



37.5285, 21.6878, 12.0314



17.8831, 19.4047, 13.4752



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.



57.3585, 62.9550, 13.6866



67.3615, 73.1157, 11.8313



48.3482, 68.5013, 15.2320



16.1467, 17.2165, 15.9908



30.5720, 32.8383, 4.7271



2.4532, 2.6837, 0.3887



# Inverse Universe

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



20.3277, 13.9439, 79.4615



20.4656, 11.2301, 95.6967



24.2281, 13.3321, 79.1378



14.4149, 14.9163, 19.0416



8.7459, 4.1388, 44.0809



0.7432, 0.4378, 3.4802



# Previews

## White Background



This preview shows how the XYZ color 57.3571, 62.9520, 13.6853 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 57.3571, 62.9520, 13.6853 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 57.3571, 62.9520, 13.6853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.3571, 62.9520, 13.6853.



This preview shows how white text looks on a background with the XYZ color 57.3571, 62.9520,



# 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

57.3571, 62.9520, 13.6853

### Protanopia

57.0296, 62.7832, 13.6700

### Deuteranopia

63.8211, 62.9699, 20.0999



## Tritanopia

68.4566, 62.5995, 68.7965

# Trichromacy



## Original Color

57.3571, 62.9520, 13.6853

## Protanomaly

57.0296, 62.7832, 13.6700

## Deuteranomaly

61.0785, 62.6553, 17.2620

## Tritanomaly

62.6998, 61.9479, 40.1050

# Monochromacy



## Original Color

57.3571, 62.9520, 13.6853

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

53.6967, 58.4080, 36.8775

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3571, 62.9520, 13.6853 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(234, 208, 62)` looks like.

```
.text, #text, p{  
    color:rgb(234, 208, 62)  
}
```

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(234, 208, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 208, 62) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3571, 62.9520, 13.6853 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(234, 208, 62) }
```



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

```
.border{ border-color:rgb(234, 208, 62) }
```

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

Here you see how a box with a 4 pixel rgb(234, 208, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 208, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 208, 62);  
box-shadow:4px 4px 4px 4px rgb(234, 208,  
62) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3571, 62.9520, 13.6853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 208, 62) }
```

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

```
.background{ background-color: rgb(234,  
208, 62) }
```

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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