

# Converting Colors

XYZ(54.5454, 56.8521, 9.2904)

Have a look what the booklet for  
XYZ(54.5454, 56.8521, 9.2904)  
contains.

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# **Color**

**XYZ(54.4386, 56.6768,  
9.2329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDC21D
RGB	237, 194, 29
RGB Percent	93%, 76%, 11%
CMY	0.0706, 0.2392, 0.8862
CMYK	0.00, 0.18, 0.88, 0.07
HSL	48°, 85%, 52%
HSV	48°, 88%, 93%
XYZ	54.4386, 56.6768, 9.2329
YIQ	188.0470, 78.5930, -42.1990

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	83, 237, 29
Decimal	15581725
CIE Lab	80.00, 1.45, 77.65
CIE LCh	80, 77.660, 88.929
Yxy	56.6768, 0.4523, 0.4709
Android (android.graphics.Color)	4293771805 (0xFFEDC21D)
YUV	188.0470, -78.4102, 42.9318
Hunter-Lab	75.2840, -2.6719, 45.4274

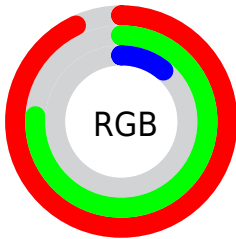
# Details

The XYZ color **54.4386, 56.6768, 9.2329** is a light color, and the websafe version is hex **FFCC33**.

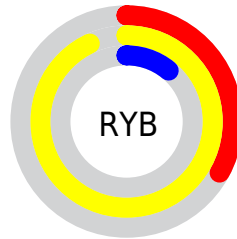
The color can be described as light washed yellow. A complement of this color would be **18.1105, 11.0108, 81.2909**, and the grayscale version is **48.2290, 50.7407, 55.2566**.

A 20% lighter version of the original color is **77.4460, 90.4394, 23.9644**, and **27.4294, 28.2799, 4.0129** is the 20% darker color. If you saturate the color by 10%, you get **53.1746, 54.4575, 7.8612**, and if you desaturate by 10%, it is **55.9624, 59.0621, 11.7839**.

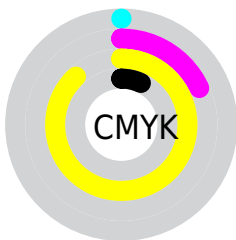
# Distribution



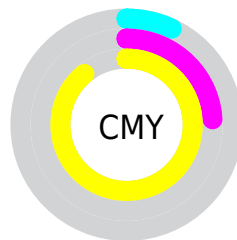
- Red (93%)
- Green (76%)
- Blue (11%)



- Red (33%)
- Yellow (93%)
- Blue (11%)



- Cyan (0%)
- Magenta (18%)
- Yellow (88%)
- Black (7%)




- Cyan (7%)
- Magenta (24%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4386, 56.6768, 9.2329 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 54.4386, 56.6768, 9.2329 by changing the saturation by 10% instead.





 54.4386, 56.6768,  
9.2329


 54.4386, 56.6768,  
9.2329


393.9514,  
412.2371, 195.3875

 39.1845, 40.7458,  
4.7945


 95.8711, 99.9934,  
24.9272


 27.0846, 28.1205,  
2.0706


 122.7801,  
128.1479, 37.0201

 17.7737, 18.4165,  
0.5982


 154.3049,  
161.1456, 52.5017

 10.8864, 11.2494,  
0.0000

 190.8107,  
199.3710, 71.7904

 6.0572, 6.2349,  
0.0000

 232.6629,  
243.2084, 95.3048

 2.9209, 2.9884,  
0.0000

 280.2268,

 1.1121, 1.1257,

293.0424, 123.4634

0.0000

333.8679,  
349.2571, 156.6848

■ 0.0352, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.4386, 56.6768,  
9.2329

■ 54.4386, 56.6768,  
9.2329

■ 53.1746, 54.4575,  
7.8612

■ 55.9624, 59.0621,  
11.7839

■ 52.9101, 53.9750,  
7.6296

■ 57.7899, 61.6246,  
15.7613

■ 59.9580, 64.3820,  
21.3513

■ 62.4968, 67.3468,  
28.7110

■ 65.4329, 70.5301,  
37.9789

■ 68.7901, 73.9420,  
49.2795

■ 72.5906, 77.5918,  
62.7269

■ 76.8545, 81.4882,  
78.4266

■ 81.6010, 85.6392,  
96.4773

# Harmonies

## Analogous

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



71.0889, 56.6768, 13.2041



54.4386, 56.6768, 9.2329



40.4894, 56.6768, 12.6317

# Triad

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



54.4386, 56.6768, 9.2329



31.4449, 56.6768, 113.9893



84.2493, 56.6768, 118.2762

# Complementary

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



54.4386, 56.6768, 9.2329



18.1105, 11.0108, 81.2909

# 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.



69.9139, 56.6768, 173.2342



54.4386, 56.6768, 9.2329



39.6829, 56.6768, 170.0228

# Square

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



54.4386, 56.6768, 9.2329



28.8783, 56.6768, 60.1017



53.3046, 56.6768, 195.6785



90.2422, 56.6768, 63.3496



# Rectangle

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



54.4386, 56.6768, 9.2329



34.0859, 56.6768, 20.4258



53.3046, 56.6768, 195.6785



80.1243, 56.6768, 138.1833

# Sweetspot

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



54.4399, 56.6796, 9.2340



81.9356, 88.0067, 60.6421



36.6029, 19.3790, 8.3030



17.2236, 18.5270, 11.8954



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.



54.4399, 56.6796, 9.2340



62.4286, 63.6372, 8.9929



48.8817, 70.1298, 12.1231



16.0722, 17.0675, 15.9660



28.9845, 29.6631, 4.1979



2.3424, 2.4621, 0.3518



# Inverse Universe

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



18.1105, 11.0108, 81.2909



19.3099, 9.7399, 95.4700



19.7444, 9.0654, 80.8293



14.4834, 15.0533, 19.0645



9.0205, 4.6879, 44.1724



0.7758, 0.5031, 3.4911



# Previews

## White Background



This preview shows how the XYZ color 54.4386, 56.6768, 9.2329 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 54.4386, 56.6768, 9.2329 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 54.4386, 56.6768, 9.2329**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4386, 56.6768, 9.2329.



This preview shows how white text looks on a background with the XYZ color 54.4386, 56.6768,



# 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

54.4386, 56.6768, 9.2329

### Protanopia

51.4112, 56.7931, 9.5488

### Deuteranopia

57.6963, 56.4059, 9.3599



## Tritanopia

64.4166, 56.3117, 58.5131

# Trichromacy



## Original Color

54.4386, 56.6768, 9.2329

## Protanomaly

52.5137, 56.6843, 9.4017

## Deuteranomaly

56.3304, 56.3437, 9.2730

## Tritanomaly

58.6142, 55.4738, 30.1725

# Monochromacy



## Original Color

54.4386, 56.6768, 9.2329

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

47.8963, 51.5604, 28.5468

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4386, 56.6768, 9.2329 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(237, 194, 29)` looks like.

```
.text, #text, p{  
    color:rgb(237, 194, 29)  
}
```

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(237, 194, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 194, 29) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4386, 56.6768, 9.2329 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(237, 194, 29) }
```



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

```
.border{ border-color:rgb(237, 194, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 194, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 194, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 194, 29);  
box-shadow:4px 4px 4px 4px rgb(237, 194,  
29) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4386, 56.6768, 9.2329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 194, 29) }
```

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

```
.background{ background-color: rgb(237,  
194, 29) }
```

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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