

# Converting Colors

XYZ(51.2486, 54.5709, 8.8539)

Have a look what the booklet for  
XYZ(51.2486, 54.5709, 8.8539)  
contains.

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# **Color**

**XYZ(51.2627, 54.7130,  
8.8957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4C11B
RGB	228, 193, 27
RGB Percent	89%, 76%, 11%
CMY	0.1059, 0.2431, 0.8941
CMYK	0.00, 0.15, 0.88, 0.11
HSL	50°, 79%, 50%
HSV	50°, 88%, 89%
XYZ	51.2627, 54.7130, 8.8957
YIQ	184.5410, 74.1460, -44.2060

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	69, 228, 27
Decimal	14991643
CIE Lab	78.88, -1.95, 76.80
CIE LCh	79, 76.820, 91.455
Yxy	54.7130, 0.4463, 0.4763
Android (android.graphics.Color)	4293181723 (0xFFE4C11B)
YUV	184.5410, -77.6677, 38.1135
Hunter-Lab	73.9682, -5.7374, 44.6473

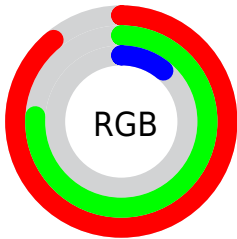
# Details

The XYZ color **51.2627, 54.7130, 8.8957** is a light color, and the websafe version is hex **FFCC33**.

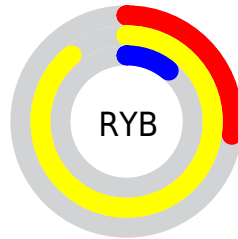
The color can be described as light washed yellow. A complement of this color would be **16.1785, 9.2801, 74.3368**, and the grayscale version is **46.2495, 48.6581, 52.9887**.

A 20% lighter version of the original color is **77.0915, 89.8017, 23.6262**, and **25.5265, 27.0810, 3.8818** is the 20% darker color. If you saturate the color by 10%, you get **50.2232, 52.9140, 7.6873**, and if you desaturate by 10%, it is **52.5270, 56.6440, 11.1610**.

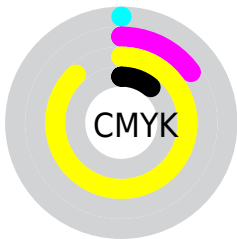
# Distribution



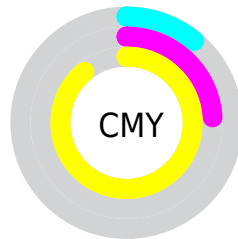
- Red (89%)
- Green (76%)
- Blue (11%)



- Red (27%)
- Yellow (89%)
- Blue (11%)



- Cyan (0%)
- Magenta (15%)
- Yellow (88%)
- Black (11%)




- Cyan (11%)
- Magenta (24%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2627, 54.7130, 8.8957 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 51.2627, 54.7130, 8.8957 by changing the saturation by 10% instead.





 51.2627, 54.7130,  
8.8957


 51.2627, 54.7130,  
8.8957


381.9544,  
404.8231, 192.7872

 36.6396, 39.1720,  
4.5773


 91.2237, 97.1203,  
24.2711


 25.1010, 26.8935,  
1.9471


 117.2922,  
124.7554, 36.1652


 16.2814, 17.4933,  
0.5225

 147.9067,  
157.1907, 51.4216

 9.8156, 10.5868,  
0.0000

 183.4323,  
194.8105, 70.4588

 5.3382, 5.7897,  
0.0000

 224.2346,  
237.9992, 93.6955

 2.4838, 2.7176,  
0.0000

 270.6788,

 0.8871, 0.9862,

287.1413, 121.5501

0.0000

323.1303,  
342.6211, 154.4411

■ 0.0000, 0.0000,  
0.0000

■ 51.2627, 54.7130,  
8.8957

■ 51.2627, 54.7130,  
8.8957

■ 50.2232, 52.9140,  
7.6873

■ 52.5270, 56.6440,  
11.1610

■ 50.0428, 52.5901,  
7.5134

■ 54.0583, 58.7175,  
14.7201

■ 55.8899, 60.9494,  
19.7430

■ 58.0493, 63.3511,  
26.3733

■ 60.5606, 65.9323,  
34.7373

■ 63.4457, 68.7021,  
44.9486

■ 66.7244, 71.6687,  
57.1114

■ 70.4152, 74.8398,  
71.3218

■ 74.5352, 78.2225,  
87.6698

# Harmonies

## Analogous

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



67.3018, 54.7130, 12.0781



51.2627, 54.7130, 8.8957



38.1605, 54.7130, 12.8284

# Triad

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



51.2627, 54.7130, 8.8957



30.7955, 54.7130, 114.9795



82.2284, 54.7130, 109.3535

# Complementary

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



51.2627, 54.7130, 8.8957



16.1785, 9.2801, 74.3368

# 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.



68.8437, 54.7130, 163.6834



51.2627, 54.7130, 8.8957



39.2184, 54.7130, 167.8985

# Square

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



51.2627, 54.7130, 8.8957



27.8636, 54.7130, 61.7291



52.7505, 54.7130, 189.0309



87.1457, 54.7130, 57.4680



# Rectangle

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



51.2627, 54.7130, 8.8957



32.2849, 54.7130, 21.0851



52.7505, 54.7130, 189.0309



78.4562, 54.7130, 128.6711

# Sweetspot

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



51.2639, 54.7157, 8.8968



82.5803, 89.2961, 60.8570



33.3082, 17.6467, 6.4799



17.3786, 18.8369, 11.9470



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.



51.2639, 54.7157, 8.8968



64.4358, 67.6516, 9.6619



43.3239, 63.4957, 11.0100



15.3769, 16.3677, 15.2533



28.9746, 30.5233, 4.3645



2.1975, 2.3683, 0.3413



# Inverse Universe

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



16.1785, 9.2801, 74.3368



18.9655, 9.0511, 95.3552



18.6762, 8.5924, 74.0724



13.7847, 14.2907, 18.1762



8.5782, 4.2185, 42.7453



0.6939, 0.4318, 3.1787



# Previews

## White Background



This preview shows how the XYZ color 51.2627, 54.7130, 8.8957 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 51.2627, 54.7130, 8.8957 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 51.2627, 54.7130, 8.8957**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2627, 54.7130, 8.8957.



This preview shows how white text looks on a background with the XYZ color 51.2627, 54.7130,



# 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

51.2627, 54.7130, 8.8957

### Protanopia

49.4647, 54.7793, 9.0650

### Deuteranopia

55.9812, 54.5819, 9.0237



## Tritanopia

61.2068, 54.6699, 57.7785

# Trichromacy



## Original Color

51.2627, 54.7130, 8.8957

## Protanomaly

50.1561, 54.8020, 9.0329

## Deuteranomaly

54.1657, 54.5906, 8.9785

## Tritanomaly

55.5143, 53.8838, 29.6650

# Monochromacy



## Original Color

51.2627, 54.7130, 8.8957

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

45.9669, 49.9425, 27.6392

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2627, 54.7130, 8.8957 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(228, 193, 27)` looks like.

```
.text, #text, p{  
    color:rgb(228, 193, 27)  
}
```

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(228, 193, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 193, 27) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2627, 54.7130, 8.8957 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(228, 193, 27) }
```



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

```
.border{ border-color:rgb(228, 193, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 193, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 193, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 193, 27);  
box-shadow:4px 4px 4px 4px rgb(228, 193,  
27) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2627, 54.7130, 8.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 193, 27) }
```

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

```
.background{ background-color: rgb(228,  
193, 27) }
```

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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