

# Converting Colors

XYZ(54.4665, 57.2178, 9.7337)

Have a look what the booklet for  
XYZ(54.4665, 57.2178, 9.7337)  
contains.

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# **Color**

**XYZ(54.6354, 57.4341,  
9.7964)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECC423
RGB	236, 196, 35
RGB Percent	93%, 77%, 14%
CMY	0.0745, 0.2313, 0.8627
CMYK	0.00, 0.17, 0.85, 0.07
HSL	48°, 84%, 53%
HSV	48°, 85%, 93%
XYZ	54.6354, 57.4341, 9.7964
YIQ	189.6060, 75.5210, -41.5910

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 236, 35
Decimal	15516707
CIE Lab	80.42, 0.12, 76.63
CIE LCh	80, 76.628, 89.913
Yxy	57.4341, 0.4483, 0.4713
Android (android.graphics.Color)	4293706787 (0xFFECC423)
YUV	189.6060, -76.2208, 40.6875
Hunter-Lab	75.7853, -3.9394, 45.3856

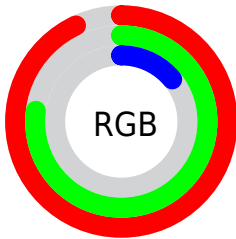
# Details

The XYZ color **54.6354, 57.4341, 9.7964** is a light color, and the websafe version is hex **FFCC33**.

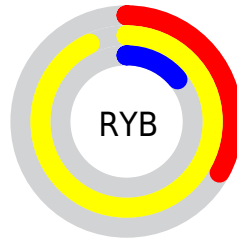
The color can be described as light washed yellow. A complement of this color would be **18.3498, 11.4459, 80.5984**, and the grayscale version is **49.1126, 51.6703, 56.2690**.

A 20% lighter version of the original color is **78.2550, 91.7626, 25.1428**, and **27.5017, 28.7589, 4.1015** is the 20% darker color. If you saturate the color by 10%, you get **53.3532, 55.2551, 8.1824**, and if you desaturate by 10%, it is **56.1884, 59.7791, 12.6617**.

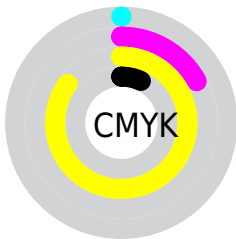
# Distribution



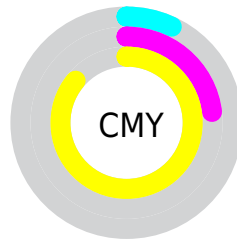
- Red (93%)
- Green (77%)
- Blue (14%)



- Red (33%)
- Yellow (93%)
- Blue (14%)



- Cyan (0%)
- Magenta (17%)
- Yellow (85%)
- Black (7%)



- Cyan (7%)
- Magenta (23%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6354, 57.4341, 9.7964 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 54.6354, 57.4341, 9.7964 by changing the saturation by 10% instead.



54.6354, 57.4341,  
9.7964

54.6354, 57.4341,  
9.7964

394.6873,  
415.0739, 199.6444

39.3426, 41.3539,  
5.1603

96.1580, 101.0983,  
26.0136

27.2083, 28.5957,  
2.2813

123.1185,  
129.4511, 38.4319

17.8671, 18.7752,  
0.7207

154.6989,  
162.6635, 54.2813

10.9537, 11.5079,  
0.0000

191.2646,  
201.1200, 73.9804

6.1028, 6.4096,  
0.0000

233.1809,  
245.2048, 97.9477

2.9489, 3.0957,  
0.0000

280.8132,

1.1268, 1.1819,

295.3025, 126.6018

0.0000

334.5269,  
351.7974, 160.3612

■ 0.0474, 0.0468,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.6354, 57.4341,  
9.7964

■ 54.6354, 57.4341,  
9.7964

■ 53.3532, 55.2551,  
8.1824

■ 56.1884, 59.7791,  
12.6617

■ 52.7981, 54.2454,  
7.6876

■ 58.0494, 62.2985,  
16.9895

■ 60.2532, 65.0090,  
22.9557

■ 62.8284, 67.9225,  
30.7103

■ 65.8007, 71.0498,  
40.3864

■ 69.1931, 74.4005,  
52.1043

■ 73.0269, 77.9835,  
65.9744

■ 77.3218, 81.8072,  
82.0995

■ 82.0963, 85.8793,  
100.5754

# Harmonies

## Analogous

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



71.1685, 57.4341, 13.5872



54.6354, 57.4341, 9.7964



40.8741, 57.4341, 13.5397

# Triad

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



54.6354, 57.4341, 9.7964



32.3772, 57.4341, 116.3304



85.1049, 57.4341, 116.6759

# Complementary

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



54.6354, 57.4341, 9.7964



18.3498, 11.4459, 80.5984

# 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.



71.0735, 57.4341, 171.4251



54.6354, 57.4341, 9.7964



40.8084, 57.4341, 171.1672

# Square

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



54.6354, 57.4341, 9.7964



29.6200, 57.4341, 62.4043



54.5434, 57.4341, 194.9924



90.6927, 57.4341, 62.6678



# Rectangle

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



54.6354, 57.4341, 9.7964



34.5941, 57.4341, 21.7437



54.5434, 57.4341, 194.9924



81.1016, 57.4341, 136.3850

# Sweetspot

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



54.6367, 57.4369, 9.7975



82.0877, 88.3110, 60.6928



36.4702, 19.5461, 8.5443



17.2602, 18.6001, 11.9076



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.



54.6367, 57.4369, 9.7975



62.8948, 64.5697, 9.1483



48.1359, 69.3073, 12.4314



16.0826, 17.0881, 15.9694



29.1970, 30.0882, 4.2688



2.3573, 2.4920, 0.3568



# Inverse Universe

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



18.3498, 11.4459, 80.5984



19.2225, 9.5649, 95.4408



20.4926, 9.7079, 80.1500



14.4739, 15.0342, 19.0613



8.9773, 4.6015, 44.1580



0.7711, 0.4936, 3.4895



# Previews

## White Background



This preview shows how the XYZ color 54.6354, 57.4341, 9.7964 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 54.6354, 57.4341, 9.7964 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 54.6354, 57.4341, 9.7964**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.6354, 57.4341, 9.7964.



This preview shows how white text looks on a background with the XYZ color 54.6354, 57.4341,



# 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

54.6354, 57.4341, 9.7964

### Protanopia

52.0241, 57.4435, 10.0148

### Deuteranopia

58.7087, 57.2371, 9.8730



## Tritanopia

64.6978, 57.0342, 59.8233

# Trichromacy



## Original Color

54.6354, 57.4341, 9.7964

## Protanomaly

53.0550, 57.6322, 9.9969

## Deuteranomaly

57.2055, 57.4320, 9.9042

## Tritanomaly

58.9036, 56.2240, 31.4147

# Monochromacy



## Original Color

54.6354, 57.4341, 9.7964

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

48.8848, 52.6859, 30.1471

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6354, 57.4341, 9.7964 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(236, 196, 35)` looks like.

```
.text, #text, p{  
    color:rgb(236, 196, 35)  
}
```

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(236, 196, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 196, 35) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6354, 57.4341, 9.7964 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(236, 196, 35) }
```



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

```
.border{ border-color:rgb(236, 196, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 196, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 196, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 196, 35);  
box-shadow:4px 4px 4px 4px rgb(236, 196,  
35) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6354, 57.4341, 9.7964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 196, 35) }
```

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

```
.background{ background-color: rgb(236,  
196, 35) }
```

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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