

Converting Colors

XYZ(55.2995, 58.3765, 13.4594)

Have a look what the booklet for
XYZ(55.2995, 58.3765, 13.4594)
contains.

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Color

**XYZ(55.4384, 58.4437,
13.5131)**

Conversions

Conversions Part 1

Format	Color
Hex	EBC642
RGB	235, 198, 66
RGB Percent	92%, 78%, 26%
CMY	0.0784, 0.2235, 0.7412
CMYK	0.00, 0.16, 0.72, 0.08
HSL	47°, 81%, 59%
HSV	47°, 72%, 92%
XYZ	55.4384, 58.4437, 13.5131
YIQ	194.0150, 64.4240, -33.2080

Conversions

Conversions Part 2

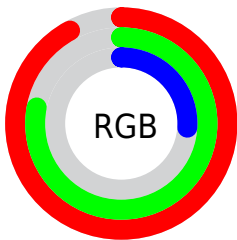
Format	Color
RYB	113, 235, 66
Decimal	15451714
CIELab	80.98, -0.28, 67.45
CIELCh	81, 67.455, 90.236
Yxy	58.4437, 0.4352, 0.4588
Android (android.graphics.Color)	4293641794 (0xFFEBC642)
YUV	194.0150, -63.1114, 35.9438
Hunter-Lab	76.4485, -4.3414, 43.0338

Details

The XYZ color **55.4384, 58.4437, 13.5131** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **22.0923, 16.8565, 80.6859**, and the grayscale version is **51.6237, 54.3122, 59.1459**.

A 20% lighter version of the original color is **80.1947, 93.5488, 32.2424**, and **27.8046, 29.3648, 4.2025** is the 20% darker color. If you saturate the color by 10%, you get **53.7272, 55.9119, 10.1985**, and if you desaturate by 10%, it is **57.4766, 61.1748, 18.3412**.

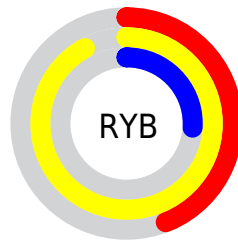
Distribution



Red (92%)

Green (78%)

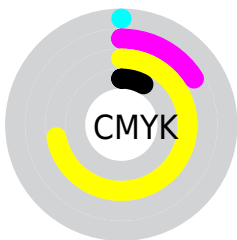
Blue (26%)



Red (44%)

Yellow (92%)

Blue (26%)

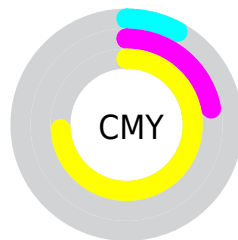


Cyan (0%)

Magenta (16%)

Yellow (72%)

Black (8%)



Cyan (8%)

Magenta (22%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4384, 58.4437, 13.5131 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 55.4384, 58.4437, 13.5131 by changing the saturation by 10% instead.

■ 55.4384, 58.4437,
13.5131

■ 55.4384, 58.4437,
13.5131

397.6810,
418.8372, 225.5025

■ 39.9881, 42.1655,
7.6479

■ 97.3276, 102.5687,
32.9272

■ 27.7134, 29.2309,
3.7860

■ 124.4971,
131.1843, 47.3131

■ 18.2491, 19.2555,
1.5087

■ 156.3037,
164.6811, 65.3765

■ 11.2297, 11.8551,
0.2244

■ 193.1129,
203.4435, 87.5357

■ 6.2900, 6.6451,
0.0000

■ 235.2898,
247.8559, 114.2094

■ 3.0645, 3.2411,
0.0000

283.1999,

■ 1.1880, 1.2589,

298.3027, 145.8161

0.0000

337.2085,
355.1684, 182.7743

■ 0.0969, 0.1090,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.4384, 58.4437,
13.5131

■ 55.4384, 58.4437,
13.5131

■ 53.7272, 55.9119,
10.1985

■ 57.4766, 61.1748,
18.3412

■ 52.3013, 53.5552,
8.1969

■ 59.8694, 64.1099,
24.8430

■ 51.3095, 51.7597,
7.2863

■ 62.6453, 67.2635,
33.1623

■ 65.8291, 70.6459,
43.4261

■ 69.4429, 74.2666,
55.7502

■ 73.5073, 78.1345,
70.2413

■ 78.0417, 82.2579,
86.9986

■ 83.0639, 86.6444,
106.1153

■ 84.7528, 89.7662,
107.4674

Harmonies

Analogous

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



69.9960, 58.4437, 17.4612



55.4384, 58.4437, 13.5131



43.0786, 58.4437, 17.5953

Triad

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



55.4384, 58.4437, 13.5131



35.4052, 58.4437, 110.8261



82.3140, 58.4437, 110.0334

Complementary

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



55.4384, 58.4437, 13.5131



22.0923, 16.8565, 80.6859

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.



70.2198, 58.4437, 156.0528



55.4384, 58.4437, 13.5131



43.2406, 58.4437, 156.6298

Square

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



55.4384, 58.4437, 13.5131



32.7646, 58.4437, 63.9527



55.6597, 58.4437, 175.8891



87.0112, 58.4437, 63.3189

Rectangle

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



55.4384, 58.4437, 13.5131



37.3368, 58.4437, 25.9934



55.6597, 58.4437, 175.8891



78.8888, 58.4437, 126.6973

Sweetspot

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



55.4397, 58.4465, 13.5143



83.5040, 89.3124, 66.8099



38.7815, 22.5879, 15.7984



17.6090, 18.8565, 13.3838



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.



55.4397, 58.4465, 13.5143



63.8656, 66.0089, 11.0201



51.9103, 70.7483, 16.0748



16.0560, 17.0349, 15.9605



28.6544, 29.0031, 4.0879



2.3192, 2.4156, 0.3440

Inverse Universe

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



22.0923, 16.8565, 80.6859



21.9146, 13.8846, 96.1327



23.5081, 13.2791, 79.9208



14.4985, 15.0835, 19.0695



9.0921, 4.8311, 44.1963



0.7835, 0.5184, 3.4936

Previews

White Background



This preview shows how the XYZ color 55.4384, 58.4437, 13.5131 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 55.4384, 58.4437, 13.5131 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 55.4384, 58.4437, 13.5131

Background



This preview shows how black text looks on a background with the XYZ color 55.4384, 58.4437, 13.5131.



This preview shows how white text looks on a background with the XYZ color 55.4384, 58.4437,

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

55.4384, 58.4437, 13.5131

Protanopia

53.1850, 58.6539, 13.8284

Deuteranopia

59.8191, 58.3744, 13.5834



Tritanopia

65.3140, 58.2339, 61.8307

Trichromacy



Original Color

55.4384, 58.4437, 13.5131

Protanomaly

54.2129, 58.8365, 13.8095

Deuteranomaly

58.3109, 58.5817, 13.5443

Tritanomaly

60.2750, 57.7620, 37.2505

Monochromacy



Original Color

55.4384, 58.4437, 13.5131

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.0761, 54.6921, 35.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4384, 58.4437, 13.5131 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(235, 198, 66)` looks like.

```
.text, #text, p{  
    color:rgb(235, 198, 66)  
}
```

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(235, 198, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 198, 66) }
```

Border

The CSS property to change the border of an element to XYZ 55.4384, 58.4437, 13.5131 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(235, 198, 66) }
```


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

```
.border{ border-color:rgb(235, 198, 66) }
```

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

Here you see how a box with a 4 pixel rgb(235, 198, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 198, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 198, 66);  
box-shadow:4px 4px 4px 4px rgb(235, 198,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4384, 58.4437, 13.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 198, 66) }
```

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

```
.background{ background-color: rgb(235,  
198, 66) }
```

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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