

# Converting Colors

XYZ(54.5191, 55.8124, 12.2504)

Have a look what the booklet for  
XYZ(54.5191, 55.8124, 12.2504)  
contains.

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# **Color**

**XYZ(54.3982, 55.6031,  
12.2802)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDBF3D
RGB	237, 191, 61
RGB Percent	93%, 75%, 24%
CMY	0.0706, 0.2510, 0.7608
CMYK	0.00, 0.19, 0.74, 0.07
HSL	44°, 83%, 58%
HSV	44°, 74%, 93%
XYZ	54.3982, 55.6031, 12.2802
YIQ	189.9340, 69.1460, -30.6780

# Conversions

## Conversions Part 2

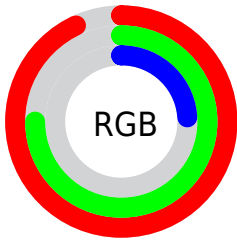
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 237, 61
Decimal	15580989
CIELab	79.39, 3.98, 67.83
CIELCh	79, 67.948, 86.643
Yxy	55.6031, 0.4449, 0.4547
Android (android.graphics.Color)	4293771069 (0xFFEDBF3D)
YUV	189.9340, -63.5645, 41.2769
Hunter-Lab	74.5675, -0.2744, 42.4330

# Details

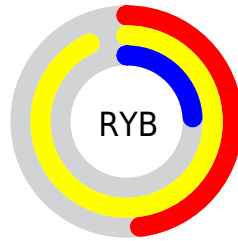
The XYZ color **54.3982, 55.6031, 12.2802** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **22.4681, 17.6214, 82.3374**, and the grayscale version is **49.2336, 51.7976, 56.4076**.

A 20% lighter version of the original color is **77.7117, 89.0659, 29.9252**, and **27.2199, 27.5241, 3.8780** is the 20% darker color. If you saturate the color by 10%, you get **52.5734, 52.7596, 9.1881**, and if you desaturate by 10%, it is **56.5645, 58.6790, 16.8777**.

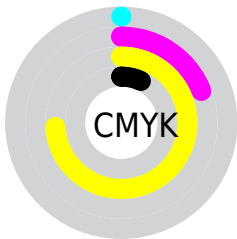
# Distribution



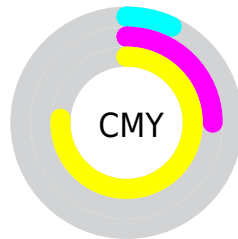
- Red (93%)
- Green (75%)
- Blue (24%)



- Red (48%)
- Yellow (93%)
- Blue (24%)



- Cyan (0%)
- Magenta (19%)
- Yellow (74%)
- Black (7%)



- Cyan (7%)
- Magenta (25%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3982, 55.6031, 12.2802 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 54.3982, 55.6031, 12.2802 by changing the saturation by 10% instead.



54.3982, 55.6031,  
12.2802

54.3982, 55.6031,  
12.2802

393.8003,  
408.1940, 217.2949

39.1520, 39.8848,  
6.8100

95.8121, 98.4240,  
30.6764

27.0593, 27.4487,  
3.2669

122.7106,  
126.2954, 44.4395

17.7546, 17.9105,  
1.2325

154.2239,  
158.9867, 61.8038

10.8725, 10.8858,  
0.0055

190.7174,  
196.8821, 83.1881

6.0479, 5.9901,  
0.0000

232.5565,  
240.3662, 109.0108

2.9151, 2.8390,  
0.0000

280.1064,

1.1090, 1.0483,

289.8233, 139.6905

0.0000

333.7325,  
345.6377, 175.6457

■ 0.0327, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.3982, 55.6031,  
12.2802

■ 54.3982, 55.6031,  
12.2802

■ 52.5734, 52.7596,  
9.1881

■ 56.5645, 58.6790,  
16.8777

■ 51.0454, 50.1229,  
7.3858

■ 59.1022, 61.9937,  
23.1513

■ 50.2673, 48.6894,  
6.7486

■ 62.0416, 65.5627,  
31.2520

■ 65.4087, 69.3974,  
41.3131

■ 69.2270, 73.5083,  
53.4553

■ 73.5182, 77.9050,  
67.7896

■ 78.3024, 82.5966,  
84.4191

■ 83.5986, 87.5917,  
103.4403

■ 86.1586, 91.5920,  
107.7457

# Harmonies

## Analogous

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



68.6050, 55.6031, 17.0059



54.3982, 55.6031, 12.2802



41.9486, 55.6031, 15.1901

# Triad

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



54.3982, 55.6031, 12.2802



32.7186, 55.6031, 100.8121



77.8944, 55.6031, 111.8862

# Complementary

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



54.3982, 55.6031, 12.2802



22.4681, 17.6214, 82.3374

# 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.



65.4911, 55.6031, 155.4316



54.3982, 55.6031, 12.2802



39.7115, 55.6031, 147.3380

# Square

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



54.3982, 55.6031, 12.2802



30.7703, 55.6031, 56.2539



51.3296, 55.6031, 170.5978



83.5585, 55.6031, 65.0434



# Rectangle

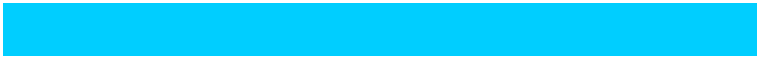
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.3982, 55.6031, 12.2802



35.9955, 55.6031, 22.2557



51.3296, 55.6031, 170.5978



74.2810, 55.6031, 128.0546

# Sweetspot

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



54.3995, 55.6058, 12.2813



82.7973, 87.8991, 66.5743



39.2972, 22.4237, 16.4266



17.4406, 18.5198, 13.3277



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.



54.3995, 55.6058, 12.2813



61.1205, 60.6847, 9.5937



53.8742, 72.6319, 15.5953



15.9995, 16.9220, 15.9417



27.5565, 26.8072, 3.7219



2.2412, 2.2597, 0.3180



# Inverse Universe

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



22.4681, 17.6214, 82.3374



21.9676, 14.3422, 96.2183



22.4423, 12.2812, 81.3079



14.5513, 15.1890, 19.0871



9.3747, 5.3965, 44.2905



0.8123, 0.5761, 3.5033



# Previews

## White Background



This preview shows how the XYZ color 54.3982, 55.6031, 12.2802 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 54.3982, 55.6031, 12.2802 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 54.3982, 55.6031, 12.2802**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3982, 55.6031, 12.2802.



This preview shows how white text looks on a background with the XYZ color 54.3982, 55.6031,



# 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

54.3982, 55.6031, 12.2802

### Protanopia

50.3787, 55.5070, 12.7613

### Deuteranopia

57.0253, 55.6737, 12.4432



## Tritanopia

63.4409, 55.2394, 57.1877

# Trichromacy



## Original Color

54.3982, 55.6031, 12.2802

## Protanomaly

51.7486, 55.5468, 12.5516

## Deuteranomaly

55.8149, 55.3689, 12.3029

## Tritanomaly

58.9297, 54.9353, 33.8832

# Monochromacy



## Original Color

54.3982, 55.6031, 12.2802

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

49.1035, 52.0755, 33.4501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3982, 55.6031, 12.2802 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, 191, 61)` looks like.

```
.text, #text, p{  
    color:rgb(237, 191, 61)  
}
```

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, 191, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 191, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3982, 55.6031, 12.2802 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, 191, 61) }
```



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

```
.border{ border-color:rgb(237, 191, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 191, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 191, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 191, 61);  
box-shadow:4px 4px 4px 4px rgb(237, 191,  
61) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.3982, 55.6031, 12.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 191, 61) }
```

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

```
.background{ background-color: rgb(237,  
191, 61) }
```

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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