

# Converting Colors

XYZ(52.6842, 53.9697, 15.4904)

Have a look what the booklet for  
XYZ(52.6842, 53.9697, 15.4904)  
contains.

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# Color

**XYZ(52.6378, 53.9782,  
15.4291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7BD51
RGB	231, 189, 81
RGB Percent	91%, 74%, 32%
CMY	0.0941, 0.2588, 0.6823
CMYK	0.00, 0.18, 0.65, 0.09
HSL	43°, 76%, 61%
HSV	43°, 65%, 91%
XYZ	52.6378, 53.9782, 15.4291
YIQ	189.2460, 59.7000, -24.6840

# Conversions

## Conversions Part 2

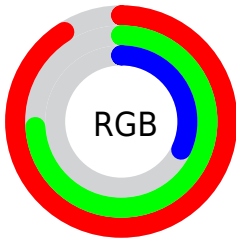
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 231, 81
Decimal	15187281
CIELab	78.45, 3.50, 58.57
CIELCh	78, 58.678, 86.584
Yxy	53.9782, 0.4313, 0.4423
Android (android.graphics.Color)	4293377361 (0xFFE7BD51)
YUV	189.2460, -53.3653, 36.6183
Hunter-Lab	73.4699, -0.6851, 38.9777

# Details

The XYZ color **52.6378, 53.9782, 15.4291** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **24.8998, 21.6840, 78.4739**, and the grayscale version is **48.7841, 51.3246, 55.8925**.

A 20% lighter version of the original color is **78.1955, 88.2860, 35.4738**, and **25.9823, 26.4449, 4.5991** is the 20% darker color. If you saturate the color by 10%, you get **50.5546, 50.9705, 11.1639**, and if you desaturate by 10%, it is **55.0801, 57.2330, 21.2682**.

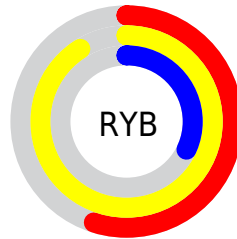
# Distribution



Red (91%)

Green (74%)

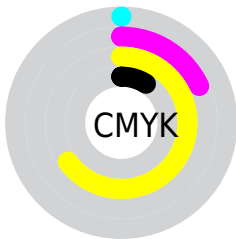
Blue (32%)



Red (55%)

Yellow (91%)

Blue (32%)

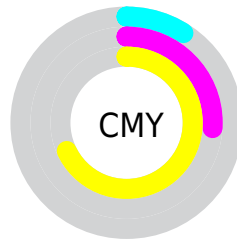


Cyan (0%)

Magenta (18%)

Yellow (65%)

Black (9%)



Cyan (9%)

Magenta (26%)


Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6378, 53.9782, 15.4291 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 52.6378, 53.9782, 15.4291 by changing the saturation by 10% instead.





 52.6378, 53.9782,  
15.4291


 52.6378, 53.9782,  
15.4291


387.1776,  
402.0269, 237.6785

 37.7400, 38.5842,  
8.9711


 93.2399, 96.0422,  
36.3571


 25.9573, 26.4364,  
4.6258


 119.6748,  
123.4811, 51.6642


 16.9242, 17.1504,  
1.9746


 150.6863,  
155.7037, 70.7581

 10.2754, 10.3418,  
0.5396

 186.6395,  
193.0945, 94.0574

 5.6456, 5.6262,  
0.0000

 227.8999,  
236.0378, 121.9805

 2.6694, 2.6191,  
0.0000

274.8328,

 0.9815, 0.9363,

284.9180, 154.9460

0.0000

327.8036,  
340.1196, 193.3725

■ 0.0000, 0.0000,  
0.0000

■ 52.6378, 53.9782,  
15.4291

■ 52.6378, 53.9782,  
15.4291

■ 50.5546, 50.9705,  
11.1639

■ 55.0801, 57.2330,  
21.2682

■ 48.7947, 48.1879,  
8.3043

■ 57.9054, 60.7395,  
28.8201

■ 47.3201, 45.6162,  
6.6491

■ 61.1396, 64.5113,  
38.2118

■ 46.6508, 44.3808,  
6.1076

■ 64.8052, 68.5586,  
49.5574

■ 68.9227, 72.8908,  
62.9619

■ 73.5114, 77.5168,  
78.5225

■ 78.5890, 82.4448,  
96.3302

■ 82.3841, 86.9674,  
107.0520

■ 84.3299, 90.8589,  
107.7006

# Harmonies

## Analogous

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



64.5171, 53.9782, 20.0927



52.6378, 53.9782, 15.4291



42.0035, 53.9782, 18.2982

# Triad

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



52.6378, 53.9782, 15.4291



33.9131, 53.9782, 92.0366



72.1388, 53.9782, 101.1643

# Complementary

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



52.6378, 53.9782, 15.4291



24.8998, 21.6840, 78.4739

# 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.



61.8865, 53.9782, 135.8652



52.6378, 53.9782, 15.4291



40.0317, 53.9782, 129.3540

# Square

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



52.6378, 53.9782, 15.4291



32.1932, 53.9782, 55.0684



49.9942, 53.9782, 147.7414



76.7884, 53.9782, 62.6403



# Rectangle

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



52.6378, 53.9782, 15.4291



36.8186, 53.9782, 25.0284



49.9942, 53.9782, 147.7414



69.1649, 53.9782, 114.1459

# Sweetspot

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



52.6391, 53.9808, 15.4302



84.0320, 88.9120, 71.4762



39.5041, 24.3168, 21.5156



17.6713, 18.6985, 14.2764



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.



52.6391, 53.9808, 15.4302



62.4524, 62.5387, 12.5338



53.4819, 69.8195, 18.4429



15.2427, 16.0992, 15.2085



26.2631, 25.1004, 3.4606



2.0182, 2.0097, 0.2815



# Inverse Universe

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



24.8998, 21.6840, 78.4739



25.4569, 19.6045, 97.0501



24.2413, 15.1989, 77.2569



13.9097, 14.5408, 18.2179



9.2256, 5.5134, 42.9611



0.7583, 0.5606, 3.2002



# Previews

## White Background



This preview shows how the XYZ color 52.6378, 53.9782, 15.4291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

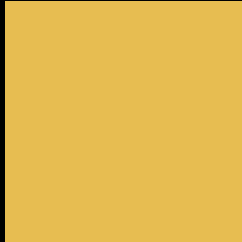
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6378, 53.9782, 15.4291 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 52.6378, 53.9782, 15.4291**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6378, 53.9782, 15.4291.



This preview shows how white text looks on a background with the XYZ color 52.6378, 53.9782,



# 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

52.6378, 53.9782, 15.4291

### Protanopia

49.3953, 54.2537, 16.0522

### Deuteranopia

55.1476, 54.0079, 15.5006



## Tritanopia

61.0613, 53.7311, 56.4431

# Trichromacy



## Original Color

52.6378, 53.9782, 15.4291

## Protanomaly

50.4117, 54.1213, 15.7721

## Deuteranomaly

54.0069, 53.7315, 15.5074

## Tritanomaly

57.0348, 53.2866, 36.5574

# Monochromacy



## Original Color

52.6378, 53.9782, 15.4291

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

48.6045, 51.4346, 36.2203

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6378, 53.9782, 15.4291 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(231, 189, 81)` looks like.

```
.text, #text, p{  
    color:rgb(231, 189, 81)  
}
```

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(231, 189, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 189, 81) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6378, 53.9782, 15.4291 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(231, 189, 81) }
```



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

```
.border{ border-color:rgb(231, 189, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 189, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 189, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 189, 81);  
box-shadow:4px 4px 4px 4px rgb(231, 189,  
81) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6378, 53.9782, 15.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 189, 81) }
```

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

```
.background{ background-color: rgb(231,  
189, 81) }
```

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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