

# Converting Colors

XYZ(56.2783, 57.3427, 21.3025)

Have a look what the booklet for  
XYZ(56.2783, 57.3427, 21.3025)  
contains.

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# Color

**XYZ(56.3825, 57.4159,  
21.2074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECC268
RGB	236, 194, 104
RGB Percent	93%, 76%, 41%
CMY	0.0745, 0.2392, 0.5921
CMYK	0.00, 0.18, 0.56, 0.07
HSL	41°, 78%, 67%
HSV	41°, 56%, 93%
XYZ	56.3825, 57.4159, 21.2074
YIQ	196.2980, 53.9220, -19.0860

# Conversions

## Conversions Part 2

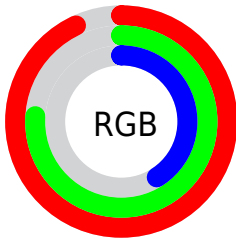
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 236, 104
Decimal	15516264
CIE <sub>Lab</sub>	80.41, 4.55, 50.30
CIE <sub>LCh</sub>	80, 50.502, 84.836
Yxy	57.4159, 0.4176, 0.4253
Android (android.graphics.Color)	4293706344 (0xFFECC268)
YUV	196.2980, -45.5029, 34.8187
Hunter-Lab	75.7733, 0.2177, 36.4472

# Details

The XYZ color **56.3825, 57.4159, 21.2074** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.1277, 29.5557, 83.4206**, and the grayscale version is **52.8916, 55.6461, 60.5986**.

A 20% lighter version of the original color is **81.5114, 92.0655, 45.3726**, and **28.2989, 28.6539, 7.4074** is the 20% darker color. If you saturate the color by 10%, you get **53.7188, 53.7460, 15.2104**, and if you desaturate by 10%, it is **59.4688, 61.3943, 29.0011**.

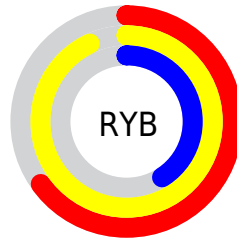
# Distribution



Red (93%)

Green (76%)

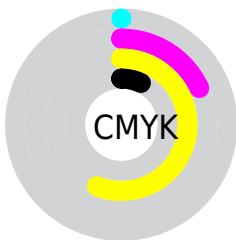
Blue (41%)



Red (65%)

Yellow (93%)

Blue (41%)

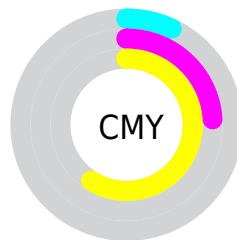


Cyan (0%)

Magenta (18%)

Yellow (56%)

Black (7%)



Cyan (7%)

Magenta (24%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3825, 57.4159, 21.2074 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 56.3825, 57.4159, 21.2074 by changing the saturation by 10% instead.



56.3825, 57.4159,  
21.2074

56.3825, 57.4159,  
21.2074

401.1831,  
415.0059, 271.1958

40.7479, 41.3392,  
13.0830

98.7002, 101.0718,  
46.3177

28.3089, 28.5843,  
7.3543

126.1140,  
129.4198, 64.1407

18.7003, 18.7665,  
3.6029

158.1848,  
162.6271, 86.0336

11.5567, 11.5017,  
1.4101

195.2782,  
201.0780, 112.4149

6.5126, 6.4054,  
0.1496

237.7593,  
245.1569, 143.7033

3.2028, 3.0931,  
0.0000

285.9936,

1.2619, 1.1805,

295.2483, 180.3172

0.0000

340.3464,  
351.7365, 222.6752

■ 0.1544, 0.0457,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.3825, 57.4159,  
21.2074

■ 56.3825, 57.4159,  
21.2074

■ 53.7188, 53.7460,  
15.2104

■ 59.4688, 61.3943,  
29.0011

■ 51.4436, 50.3625,  
10.8547


■ 63.0002, 65.6856,  
38.7225


■ 49.5234, 47.2520,  
7.9642


■ 67.0023, 70.3041,  
50.4944


■ 47.9153, 44.3955,  
6.3195


■ 71.4973, 75.2605,  
64.4281


 47.3226, 43.2943,  
5.8625

 76.5061, 80.5650,  
80.6271

 82.0478, 86.2270,  
99.1881

 85.7690, 91.3070,  
107.7112

 88.1060, 95.9811,  
108.4903

 88.4019, 96.5728,  
108.5889

# Harmonies

## Analogous

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



66.8508, 57.4159, 26.5470



56.3825, 57.4159, 21.2074



46.6350, 57.4159, 23.7537

# Triad

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



56.3825, 57.4159, 21.2074



38.4349, 57.4159, 89.6320



72.5059, 57.4159, 101.4077

# Complementary

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



56.3825, 57.4159, 21.2074



31.1277, 29.5557, 83.4206

# 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.



63.3623, 57.4159, 129.7918



56.3825, 57.4159, 21.2074



43.8972, 57.4159, 121.6230

# Square

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



56.3825, 57.4159, 21.2074



37.0590, 57.4159, 57.5265



52.8009, 57.4159, 138.1653



76.8815, 57.4159, 67.7863



# Rectangle

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



56.3825, 57.4159, 21.2074



41.7120, 57.4159, 30.1907



52.8009, 57.4159, 138.1653



69.8361, 57.4159, 112.2512

# Sweetspot

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



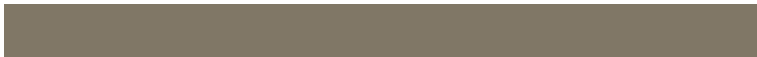
56.3839, 57.4187, 21.2085



84.5967, 89.0301, 74.7819



44.8879, 29.8721, 31.4176



17.8684, 18.7959, 15.2566



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.



56.3839, 57.4187, 21.2085



63.6504, 63.5110, 17.3225



60.2256, 75.2862, 24.4548



15.9244, 16.7719, 15.9167



26.2069, 24.1079, 3.2720



2.1438, 2.0650, 0.2856



# Inverse Universe

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



31.1277, 29.5557, 83.4206



30.8805, 27.4336, 98.2754



28.6953, 20.3930, 81.7802



14.6223, 15.3311, 19.1108



9.8385, 6.3241, 44.4451



0.8563, 0.6642, 3.5179



# Previews

## White Background



This preview shows how the XYZ color 56.3825, 57.4159, 21.2074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

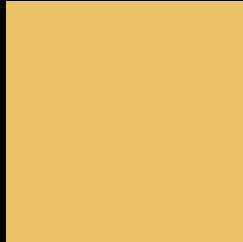
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3825, 57.4159, 21.2074 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 56.3825, 57.4159, 21.2074**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3825, 57.4159, 21.2074.



This preview shows how white text looks on a background with the XYZ color 56.3825, 57.4159,



# 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

56.3825, 57.4159, 21.2074

### Protanopia

52.7710, 57.5648, 21.9655

### Deuteranopia

58.6194, 57.2593, 21.3272



## Tritanopia

64.3198, 57.1313, 60.4607

# Trichromacy



## Original Color

56.3825, 57.4159, 21.2074

## Protanomaly

54.1079, 57.5768, 21.6262

## Deuteranomaly

57.7986, 57.1588, 21.3510

## Tritanomaly

60.6568, 56.8858, 42.4334

# Monochromacy



## Original Color

56.3825, 57.4159, 21.2074

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

52.9899, 55.5234, 42.5746

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3825, 57.4159, 21.2074 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, 194, 104)` looks like.

```
.text, #text, p{  
    color:rgb(236, 194, 104)  
}
```

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, 194, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 194, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3825, 57.4159, 21.2074 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, 194, 104) }
```



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

```
.border{ border-color:rgb(236, 194, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 194, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 194, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 194, 104);  
box-shadow:4px 4px 4px 4px rgb(236, 194,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3825, 57.4159, 21.2074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 194, 104) }
```

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

```
.background{ background-color: rgb(236,  
194, 104) }
```

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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