

# Converting Colors

XYZ(54.8753, 57.1828, 30.8309)

Have a look what the booklet for  
XYZ(54.8753, 57.1828, 30.8309)  
contains.

<b>XYZ(54.7835, 57.0484, 30.6783)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(54.7835, 57.0484,  
30.6783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0C486
RGB	224, 196, 134
RGB Percent	88%, 77%, 53%
CMY	0.1216, 0.2313, 0.4745
CMYK	0.00, 0.12, 0.40, 0.12
HSL	41°, 59%, 70%
HSV	41°, 40%, 88%
XYZ	54.7835, 57.0484, 30.6783
YIQ	197.3040, 36.5900, -13.3460

# Conversions

## Conversions Part 2

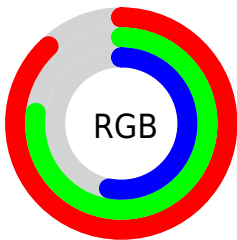
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 224, 134
Decimal	14730374
CIE Lab	80.21, 1.42, 34.76
CIE LCh	80, 34.788, 87.653
Yxy	57.0484, 0.3844, 0.4003
Android (android.graphics.Color)	4292920454 (0xFFE0C486)
YUV	197.3040, -31.2089, 23.4124
Hunter-Lab	75.5304, -2.7090, 28.7894

# Details

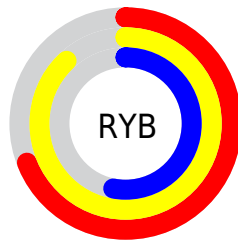
The XYZ color **54.7835, 57.0484, 30.6783** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **36.2060, 36.2896, 75.6173**, and the grayscale version is **53.4232, 56.2054, 61.2077**.

A 20% lighter version of the original color is **85.1275, 94.5116, 61.3328**, and **27.1707, 28.1860, 12.1920** is the 20% darker color. If you saturate the color by 10%, you get **51.8488, 53.4199, 22.7917**, and if you desaturate by 10%, it is **58.1250, 60.9605, 40.3343**.

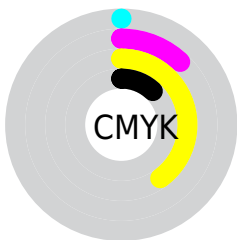
# Distribution



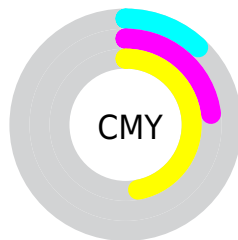
- Red (88%)
- Green (77%)
- Blue (53%)



- Red (69%)
- Yellow (88%)
- Blue (53%)



- Cyan (0%)
- Magenta (12%)
- Yellow (40%)
- Black (12%)



- Cyan (12%)
- Magenta (23%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.7835, 57.0484, 30.6783 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 54.7835, 57.0484, 30.6783 by changing the saturation by 10% instead.



■ 54.7835, 57.0484,  
30.6783

■ 54.7835, 57.0484,  
30.6783

395.2405,  
413.6306, 319.3587

■ 39.4616, 41.0441,  
20.0976

■ 96.3738, 100.5358,  
61.8069

■ 27.3013, 28.3535,  
12.2812

■ 123.3730,  
128.7877, 83.1918

■ 17.9374, 18.5923,  
6.8106

■ 154.9952,  
161.8909, 109.0152

■ 11.0045, 11.3761,  
3.2673

191.6059,  
200.2299, 139.6957

■ 6.1372, 6.3204,  
1.2327

233.5704,  
244.1889, 175.6517

■ 2.9701, 3.0409,  
0.0057

281.2541,

■ 1.1380, 1.1531,

294.1525, 217.3019

0.0000

335.0224,  
350.5049, 265.0647

■ 0.0565, 0.0229,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.7835, 57.0484,  
30.6783

■ 54.7835, 57.0484,  
30.6783

■ 51.8488, 53.4199,  
22.7917

■ 58.1250, 60.9605,  
40.3343

■ 49.2945, 50.0568,  
16.5596


■ 61.8892, 65.1580,  
51.8578


■ 47.0977, 46.9502,  
11.8591


■ 66.0962, 69.6524,  
65.3436


■ 45.2303, 44.0875,  
8.5485


■ 70.7635, 74.4523,  
80.8794


 43.6595, 41.4537,  
6.4594


 75.9075, 79.5657,  
98.5473

 42.3496, 39.0656,  
5.3083

 79.3101, 84.1066,  
106.6618

 81.3760, 88.2384,  
107.3505

 83.5213, 92.5290,  
108.0656

 84.5505, 94.5873,  
108.4086

# Harmonies

## Analogous

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



61.8567, 57.0484, 34.6034



54.7835, 57.0484, 30.6783



48.1328, 57.0484, 33.5312

# Triad

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



54.7835, 57.0484, 30.6783



43.0113, 57.0484, 82.0773



66.5877, 57.0484, 85.4604

# Complementary

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



54.7835, 57.0484, 30.6783



36.2060, 36.2896, 75.6173

# 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.



60.8060, 57.0484, 103.5623



54.7835, 57.0484, 30.6783



47.2443, 57.0484, 101.3285

# Square

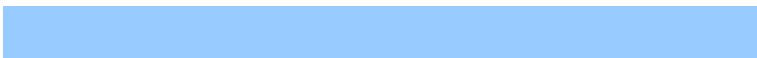
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



54.7835, 57.0484, 30.6783



41.6990, 57.0484, 60.5294



53.6659, 57.0484, 109.9188



69.0323, 57.0484, 63.7301



# Rectangle

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



54.7835, 57.0484, 30.6783



44.7496, 57.0484, 39.3341



53.6659, 57.0484, 109.9188



64.9466, 57.0484, 92.3362

# Sweetspot

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



54.7849, 57.0511, 30.6795



87.5472, 92.2603, 83.9995



45.8321, 35.5245, 38.8579



18.5756, 19.5749, 17.4514



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.



54.7849, 57.0511, 30.6795



70.2401, 72.5305, 32.3434



56.8310, 68.3702, 32.7564



14.4933, 15.2726, 14.4908



24.7574, 22.9526, 3.1254



1.7947, 1.7483, 0.2429



# Inverse Universe

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



36.2060, 36.2896, 75.6173



42.1610, 41.1765, 100.3335



34.6501, 28.9643, 74.2854



13.2981, 13.9354, 17.3766



9.1849, 5.8394, 41.6914



0.7147, 0.5608, 2.9158



# Previews

## White Background



This preview shows how the XYZ color 54.7835, 57.0484, 30.6783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

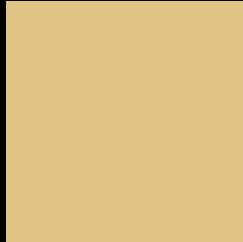
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.7835, 57.0484, 30.6783 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

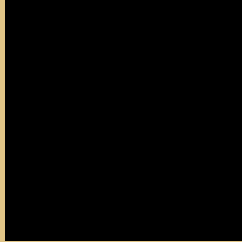
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.7835, 57.0484, 30.6783**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.7835, 57.0484, 30.6783.



This preview shows how white text looks on a background with the XYZ color 54.7835, 57.0484,

30.6783.

# 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

54.7835, 57.0484, 30.6783

### Protanopia

53.1155, 57.1950, 31.1619

### Deuteranopia

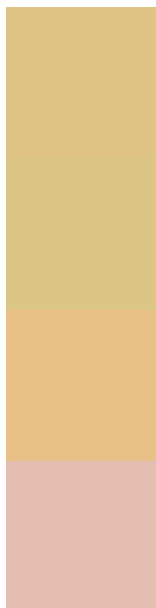
58.0465, 56.7533, 30.8168



## Tritanopia

61.3860, 56.7938, 63.6040

# Trichromacy



## Original Color

54.7835, 57.0484, 30.6783

## Protanomaly

53.7807, 57.1975, 31.1273

## Deuteranomaly

56.8271, 56.7722, 30.8847

## Tritanomaly

58.3442, 56.4952, 49.4246

# Monochromacy



## Original Color

54.7835, 57.0484, 30.6783

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

53.3384, 56.2539, 48.0913

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.7835, 57.0484, 30.6783 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(224, 196, 134)` looks like.

```
.text, #text, p{  
    color:rgb(224, 196, 134)  
}
```

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(224, 196, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 196, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 54.7835, 57.0484, 30.6783 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(224, 196, 134) }
```



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

```
.border{ border-color:rgb(224, 196, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 196, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 196, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 196, 134);  
box-shadow:4px 4px 4px 4px rgb(224, 196,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.7835, 57.0484, 30.6783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 196, 134) }
```

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

```
.background{ background-color: rgb(224,  
196, 134) }
```

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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