

# Converting Colors

XYZ(58.0386, 56.3458, 34.2597)

Have a look what the booklet for  
XYZ(58.0386, 56.3458, 34.2597)  
contains.

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# Color

**XYZ(58.1567, 56.4133,  
34.2092)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDBD90
RGB	237, 189, 144
RGB Percent	93%, 74%, 56%
CMY	0.0706, 0.2588, 0.4353
CMYK	0.00, 0.20, 0.39, 0.07
HSL	29°, 72%, 75%
HSV	29°, 39%, 93%
XYZ	58.1567, 56.4133, 34.2092
YIQ	198.2220, 43.0530, -3.8190

# Conversions

## Conversions Part 2

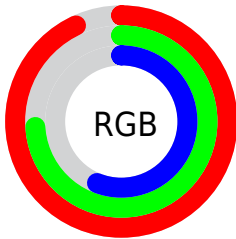
Format	Color
RYB	237, 231, 144
Decimal	15580560
CIELab	79.85, 11.34, 29.29
CIELCh	80, 31.410, 68.837
Yxy	56.4133, 0.3909, 0.3792
Android (android.graphics.Color)	4293770640 (0xFFEDBD90)
YUV	198.2220, -26.7314, 34.0083
Hunter-Lab	75.1088, 6.7721, 25.5718

# Details

The XYZ color **58.1567, 56.4133, 34.2092** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.6367, 49.7413, 87.3165**, and the grayscale version is **53.9519, 56.7616, 61.8134**.

A 20% lighter version of the original color is **84.0855, 90.6420, 66.4900**, and **29.3703, 27.9823, 14.2091** is the 20% darker color. If you saturate the color by 10%, you get **54.0113, 50.7234, 24.8093**, and if you desaturate by 10%, it is **62.9071, 62.7044, 45.6878**.

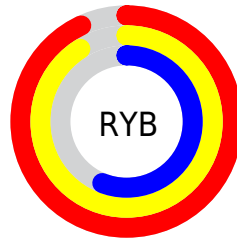
# Distribution



Red (93%)

Green (74%)

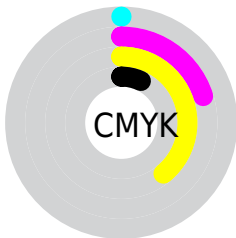
Blue (56%)



Red (93%)

Yellow (91%)

Blue (56%)

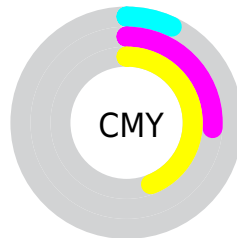


Cyan (0%)

Magenta (20%)

Yellow (39%)

Black (7%)



Cyan (7%)

Magenta (26%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1567, 56.4133, 34.2092 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 58.1567, 56.4133, 34.2092 by changing the saturation by 10% instead.





 58.1567, 56.4133,  
34.2092


 58.1567, 56.4133,  
34.2092


407.7140,  
411.2472, 335.8614

 42.1784, 40.5344,  
22.7757


 101.2727, 99.6086,  
67.3965

 29.4327, 27.9554,  
14.2242


 129.1410,  
127.6938, 89.9873

 19.5543, 18.2921,  
8.1363


161.7035,  
160.6165, 117.1344

 12.1779, 11.1599,  
4.0932

199.3253,  
198.7612, 149.2561

 6.9380, 6.1745,  
1.6766

242.3720,  
242.5122, 186.7712

 3.4693, 2.9515,  
0.3446

291.2087,

 1.4065, 1.1064,

292.2540, 230.0981

0.0000

346.2010,  
348.3708, 279.6553

■ 0.2609, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.1567, 56.4133,  
34.2092

■ 58.1567, 56.4133,  
34.2092

■ 54.0113, 50.7234,  
24.8093

■ 62.9071, 62.7044,  
45.6878

■ 50.4372, 45.6063,  
17.3567

■ 68.2854, 69.6081,  
59.3590

■ 47.4035, 41.0425,  
11.7098

■ 74.3184, 77.1451,  
75.3320

■ 44.8738, 37.0082,  
7.7063

■ 81.0299, 85.3330,  
93.7080

■ 42.8058, 33.4764,  
5.1538

■ 87.2107, 93.6957,  
108.0963

■ 41.1366, 30.4119,  
3.7537

■ 88.7351, 96.7445,  
108.6045

■ 41.0206, 30.1955,  
3.6663

# Harmonies

## Analogous

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



63.7206, 56.4133, 41.9742



58.1567, 56.4133, 34.2092



51.7623, 56.4133, 32.9084

# Triad

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



58.1567, 56.4133, 34.2092



42.4197, 56.4133, 66.9637



61.6599, 56.4133, 92.9453

# Complementary

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



58.1567, 56.4133, 34.2092



45.6367, 49.7413, 87.3165

# 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.



55.5199, 56.4133, 102.9408



58.1567, 56.4133, 34.2092



44.6460, 56.4133, 86.1108

# Square

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



58.1567, 56.4133, 34.2092



43.0038, 56.4133, 49.6274



49.3240, 56.4133, 100.2188



65.8518, 56.4133, 74.9570



# Rectangle

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



58.1567, 56.4133, 34.2092



47.9342, 56.4133, 35.5677



49.3240, 56.4133, 100.2188



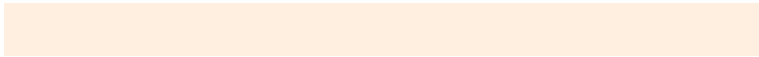
59.7367, 56.4133, 97.4984

# Sweetspot

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



58.1581, 56.4160, 34.2103



85.6763, 88.5185, 83.3759



54.4186, 41.7596, 55.0909



18.1349, 18.6935, 17.3045



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.



58.1581, 56.4160, 34.2103



64.7266, 61.2191, 31.3821



69.7966, 79.6929, 38.0898



15.6671, 16.2571, 15.8309



22.5260, 16.7462, 2.0451



1.8648, 1.5069, 0.1926



# Inverse Universe

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



45.6367, 49.7413, 87.3165



48.0324, 52.3165, 102.1743



36.9979, 32.4637, 84.4369



14.8742, 15.8348, 19.1947



12.2983, 11.2436, 45.2650

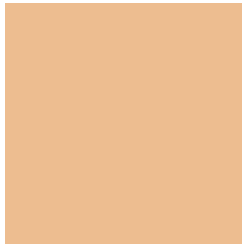


1.0620, 1.0755, 3.5865



# Previews

## White Background



This preview shows how the XYZ color 58.1567, 56.4133, 34.2092 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 58.1567, 56.4133, 34.2092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

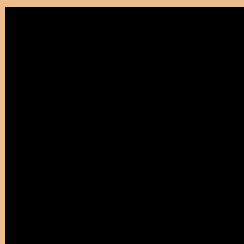
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.1567, 56.4133, 34.2092**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.1567, 56.4133, 34.2092.



This preview shows how white text looks on a background with the XYZ color 58.1567, 56.4133,



# 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

58.1567, 56.4133, 34.2092

### Protanopia

52.6908, 56.5233, 36.1500

### Deuteranopia

57.7084, 56.5027, 34.2501



## Tritanopia

63.3097, 56.3187, 59.7584

# Trichromacy



## Original Color

58.1567, 56.4133, 34.2092

## Protanomaly

54.6004, 56.5089, 35.6333

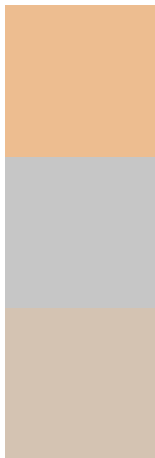
## Deuteranomaly

58.0396, 56.6734, 34.2656

## Tritanomaly

61.2200, 56.3975, 49.2541

# Monochromacy



## Original Color

58.1567, 56.4133, 34.2092

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

54.7024, 56.2416, 50.0921

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1567, 56.4133, 34.2092 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, 189, 144)` looks like.

```
.text, #text, p{  
    color:rgb(237, 189, 144)  
}
```

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, 189, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 189, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1567, 56.4133, 34.2092 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, 189, 144) }
```



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

```
.border{ border-color:rgb(237, 189, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 189, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 189, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 189, 144); box-shadow:4px 4px 4px 4px rgb(237, 189, 144) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1567, 56.4133, 34.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 189, 144) }
```

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

```
.background{ background-color: rgb(237,  
189, 144) }
```

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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