

# Converting Colors

XYZ(58.2646, 55.6297, 45.6899)

Have a look what the booklet for  
XYZ(58.2646, 55.6297, 45.6899)  
contains.

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# Color

**XYZ(58.3047, 55.5987,  
45.6888)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8BBAA
RGB	232, 187, 170
RGB Percent	91%, 73%, 67%
CMY	0.0902, 0.2666, 0.3333
CMYK	0.00, 0.19, 0.27, 0.09
HSL	16°, 57%, 79%
HSV	16°, 27%, 91%
XYZ	58.3047, 55.5987, 45.6888
YIQ	198.5170, 32.2770, 4.2530

# Conversions

## Conversions Part 2

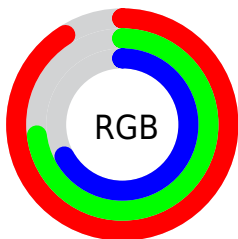
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 193, 170
Decimal	15252394
CIE Lab	79.38, 13.70, 14.73
CIE LCh	79, 20.111, 47.070
Yxy	55.5987, 0.3653, 0.3484
Android (android.graphics.Color)	4293442474 (0xFFE8BBAA)
YUV	198.5170, -14.0589, 29.3646
Hunter-Lab	74.5645, 9.0877, 15.8657

# Details

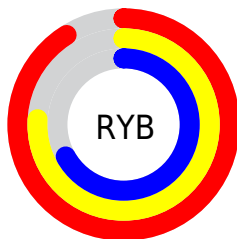
The XYZ color **58.3047, 55.5987, 45.6888** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **55.4428, 62.9712, 85.5767**, and the grayscale version is **54.0616, 56.8770, 61.9391**.

A 20% lighter version of the original color is **86.8812, 90.7974, 84.1807**, and **29.4743, 27.4722, 20.8887** is the 20% darker color. If you saturate the color by 10%, you get **52.9361, 48.0690, 34.0103**, and if you desaturate by 10%, it is **64.4824, 64.1261, 59.5489**.

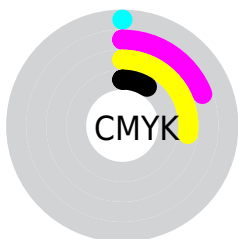
# Distribution



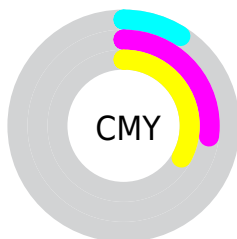
- Red (91%)
- Green (73%)
- Blue (67%)



- Red (91%)
- Yellow (76%)
- Blue (67%)



- Cyan (0%)
- Magenta (19%)
- Yellow (27%)
- Black (9%)




- Cyan (9%)
- Magenta (27%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3047, 55.5987, 45.6888 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 58.3047, 55.5987, 45.6888 by changing the saturation by 10% instead.





 58.3047, 55.5987,  
45.6888

 58.3047, 55.5987,  
45.6888


408.2559,  
408.1774, 385.7973

 42.2979, 39.8813,  
31.6534


 101.4869, 98.4176,  
85.0824

 29.5267, 27.4460,  
20.8343


129.3929,  
126.2878, 111.2778

 19.6259, 17.9085,  
12.8129


161.9960,  
158.9778, 142.3635

 12.2301, 10.8843,  
7.1706

199.6617,  
196.8719, 178.7582

 6.9739, 5.9891,  
3.4890

242.7551,  
240.3545, 220.8804

 3.4920, 2.8384,  
1.3494

291.6417,

 1.4189, 1.0480,

289.8100, 269.1486

0.1018

346.6869,  
345.6229, 323.9814

■ 0.2697, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.3047, 55.5987,  
45.6888

■ 58.3047, 55.5987,  
45.6888

■ 52.9361, 48.0690,  
34.0103

■ 64.4824, 64.1261,  
59.5489

■ 48.3373, 41.4922,  
24.3980

■ 71.4974, 73.6784,  
75.6912

■ 44.4725, 35.8318,  
16.7309

■ 79.3818, 84.2915,  
94.2140

■ 41.3009, 31.0453,  
10.8740

■ 86.8830, 95.4842,  
108.4588

■ 38.7771, 27.0871,  
6.6747

■ 87.0888, 95.8959,  
108.5274

■ 36.8500, 23.9067,  
3.9549

■ 35.4576, 21.4468,  
2.4891

■ 35.0914, 20.7811,  
2.1616

# Harmonies

## Analogous

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



60.6102, 55.5987, 54.2495



58.3047, 55.5987, 45.6888



54.5992, 55.5987, 41.3689

# Triad

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



58.3047, 55.5987, 45.6888



45.6413, 55.5987, 55.7026



55.1541, 55.5987, 84.3471

# Complementary

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



58.3047, 55.5987, 45.6888



55.4428, 62.9712, 85.5767

# 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.



51.1286, 55.5987, 84.8661



58.3047, 55.5987, 45.6888



45.7729, 55.5987, 67.2936

# Square

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



58.3047, 55.5987, 45.6888



47.3679, 55.5987, 46.6356



47.7370, 55.5987, 78.2983



58.7287, 55.5987, 76.9594



# Rectangle

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



58.3047, 55.5987, 45.6888



51.8962, 55.5987, 41.0637



47.7370, 55.5987, 78.2983



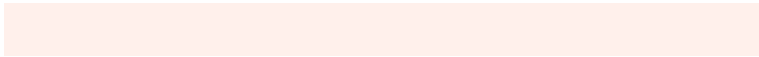
53.8051, 55.5987, 85.3610

# Sweetspot

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



58.3062, 55.6013, 45.6899



87.3952, 89.6702, 90.9965



59.9797, 50.8362, 71.2563



18.4147, 18.7977, 18.8021



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.



58.3062, 55.6013, 45.6899



68.5120, 63.6735, 48.4176



65.4853, 69.9596, 48.0830



14.6971, 15.0080, 15.0267



19.5716, 11.7173, 1.2301



1.5221, 1.0176, 0.1162

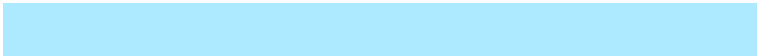


# Inverse Universe

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



55.4428, 62.9712, 85.5767



64.4035, 74.2126, 105.5378



48.3812, 48.8481, 83.2228



14.4557, 15.6328, 18.3999



16.0082, 19.0784, 45.2220



1.2595, 1.5629, 3.3673



# Previews

## White Background



This preview shows how the XYZ color 58.3047, 55.5987, 45.6888 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

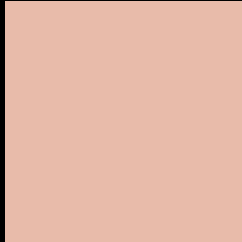
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3047, 55.5987, 45.6888 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

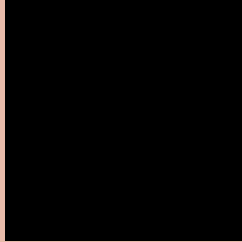
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.3047, 55.5987, 45.6888**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3047, 55.5987, 45.6888.



This preview shows how white text looks on a background with the XYZ color 58.3047, 55.5987,

45.6888.

# 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

58.3047, 55.5987, 45.6888

### Protanopia

52.9314, 55.6968, 48.5182

### Deuteranopia

57.0332, 55.8979, 45.8136



## Tritanopia

61.2725, 55.5604, 60.3181

# Trichromacy



## Original Color

58.3047, 55.5987, 45.6888

## Protanomaly

54.6371, 55.6041, 47.3881

## Deuteranomaly

57.4482, 55.7915, 45.7712

## Tritanomaly

60.0418, 55.3613, 54.5350

# Monochromacy



## Original Color

58.3047, 55.5987, 45.6888

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

55.4562, 56.5099, 55.5616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3047, 55.5987, 45.6888 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(232, 187, 170)` looks like.

```
.text, #text, p{  
    color:rgb(232, 187, 170)  
}
```

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(232, 187, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 187, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3047, 55.5987, 45.6888 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(232, 187, 170) }
```



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

```
.border{ border-color:rgb(232, 187, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 187, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 187, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 187, 170);  
box-shadow:4px 4px 4px 4px rgb(232, 187,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3047, 55.5987, 45.6888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 187, 170) }
```

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

```
.background{ background-color: rgb(232,  
187, 170) }
```

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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