

# Converting Colors

XYZ(64.2780, 62.1036, 55.7784)

Have a look what the booklet for  
XYZ(64.2780, 62.1036, 55.7784)  
contains.

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# Color

**XYZ(64.0888, 61.9805,  
55.5993)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDC6BB
RGB	237, 198, 187
RGB Percent	93%, 78%, 73%
CMY	0.0706, 0.2235, 0.2667
CMYK	0.00, 0.16, 0.21, 0.07
HSL	13°, 58%, 83%
HSV	13°, 21%, 93%
XYZ	64.0888, 61.9805, 55.5993
YIQ	208.4070, 26.7750, 4.8470

# Conversions

## Conversions Part 2

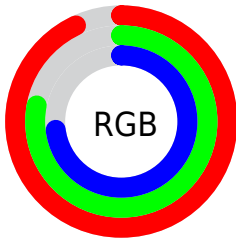
Format	Color
R <sub>Y</sub> B	237, 201, 187
Decimal	15582907
CIE Lab	82.90, 12.14, 10.66
CIE LCh	83, 16.160, 41.296
Yxy	61.9805, 0.3528, 0.3412
Android (android.graphics.Color)	4293772987 (0xFFEDC6BB)
YUV	208.4070, -10.5537, 25.0761
Hunter-Lab	78.7277, 7.5356, 13.2374

# Details

The XYZ color **64.0888, 61.9805, 55.5993** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **62.9755, 71.0703, 90.5201**, and the grayscale version is **60.2739, 63.4129, 69.0566**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **33.3324, 31.4915, 26.8759** is the 20% darker color. If you saturate the color by 10%, you get **57.7881, 53.1095, 41.9975**, and if you desaturate by 10%, it is **71.3273, 72.0559, 71.5809**.

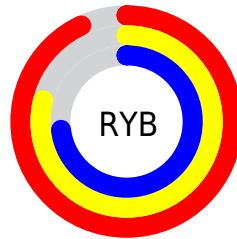
# Distribution



Red (93%)

Green (78%)

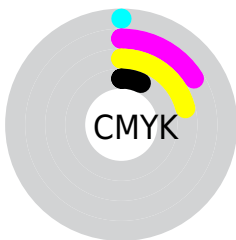
Blue (73%)



Red (93%)

Yellow (79%)

Blue (73%)

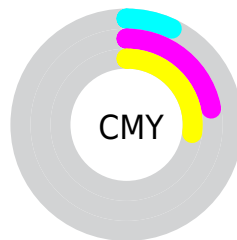


Cyan (0%)

Magenta (16%)

Yellow (21%)

Black (7%)



Cyan (7%)

Magenta (22%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0888, 61.9805, 55.5993 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 64.0888, 61.9805, 55.5993 by changing the saturation by 10% instead.





 64.0888, 61.9805,  
55.5993

 64.0888, 61.9805,  
55.5993


429.1074,  
431.8600, 425.5255

 46.9846, 45.0169,  
39.4799


 109.8118,  
107.6973, 99.8984

 33.2313, 31.4708,  
26.8226


139.1613,  
137.2194, 128.9152

 22.4638, 20.9576,  
17.2088

173.3233,  
171.6965, 163.0682

 14.3166, 13.0930,  
10.2199

212.6630,  
211.5129, 202.7760

 8.4244, 7.4926,  
5.4375

257.5460,  
257.0530, 248.4571

 4.4217, 3.7720,  
2.4430

308.3375,

 1.9434, 1.5469,

308.7013, 300.5300

0.8097

365.4028,  
366.8422, 359.4133

0.6019, 0.3214,  
0.0000

0.0000, 0.0000,  
0.0000

64.0888, 61.9805,  
55.5993

64.0888, 61.9805,  
55.5993

57.7881, 53.1095,  
41.9975

71.3273, 72.0559,  
71.5809

52.3810, 45.3892,  
30.6573

79.5352, 83.3699,  
90.0448

47.8275, 38.7745,  
21.4563

88.2452, 95.7645,  
108.4411

44.0823, 33.2136,  
14.2589

88.7353, 96.7447,  
108.6045

■ 41.0955, 28.6510,  
8.9136

■ 38.8116, 25.0254,  
5.2474

■ 37.1663, 22.2685,  
3.0538

■ 36.1605, 20.4750,  
2.0462

# Harmonies

## Analogous

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



65.7276, 61.9805, 63.7974



64.0888, 61.9805, 55.5993



61.0853, 61.9805, 50.8951

# Triad

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



64.0888, 61.9805, 55.5993



52.7900, 61.9805, 61.5183



60.2326, 61.9805, 88.1044

# Complementary

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



64.0888, 61.9805, 55.5993



62.9755, 71.0703, 90.5201

# 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.



56.7882, 61.9805, 87.3401



64.0888, 61.9805, 55.5993



52.5820, 61.9805, 71.3146

# Square

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



64.0888, 61.9805, 55.5993



54.5990, 61.9805, 54.0728



54.0191, 61.9805, 80.9570



63.4435, 61.9805, 82.9525



# Rectangle

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



64.0888, 61.9805, 55.5993



58.7593, 61.9805, 50.0641



54.0191, 61.9805, 80.9570



59.0622, 61.9805, 88.5432

# Sweetspot

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



64.0905, 61.9833, 55.6006



88.9944, 91.6749, 95.2091



66.4464, 59.0461, 79.9671



18.9129, 19.4353, 20.0738



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.



64.0905, 61.9833, 55.6006



72.5700, 68.8296, 58.8952



70.2385, 74.2794, 57.6499



15.3343, 15.5915, 15.7200



19.8214, 11.3371, 1.1436



1.6262, 1.0297, 0.1130

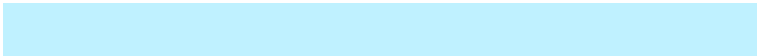


# Inverse Universe

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



62.9755, 71.0703, 90.5201



71.0451, 81.2213, 106.5406



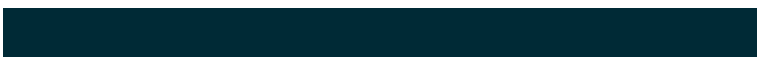
56.7059, 58.5311, 88.4302



15.2201, 16.5267, 19.3100



17.9005, 22.4480, 47.1324



1.4750, 1.9014, 3.7241



# Previews

## White Background



This preview shows how the XYZ color 64.0888, 61.9805, 55.5993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

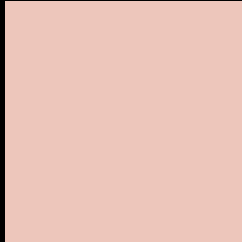
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.0888, 61.9805, 55.5993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

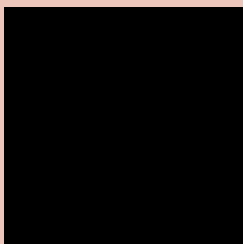
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.0888, 61.9805, 55.5993**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.0888, 61.9805, 55.5993.



This preview shows how white text looks on a background with the XYZ color 64.0888, 61.9805,

55.5993.

# 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

64.0888, 61.9805, 55.5993

### Protanopia

59.2068, 62.2003, 58.1755

### Deuteranopia

63.3247, 61.9271, 55.6293



## Tritanopia

67.0831, 62.2086, 69.4446

# Trichromacy



## Original Color

64.0888, 61.9805, 55.5993

## Protanomaly

60.7744, 61.9592, 57.4714

## Deuteranomaly

63.6540, 62.0969, 55.6447

## Tritanomaly

65.9972, 62.0948, 64.3842

# Monochromacy



## Original Color

64.0888, 61.9805, 55.5993

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

61.2316, 62.4159, 63.4638

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0888, 61.9805, 55.5993 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, 198, 187)` looks like.

```
.text, #text, p{  
    color:rgb(237, 198, 187)  
}
```

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, 198, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 198, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0888, 61.9805, 55.5993 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, 198, 187) }
```



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

```
.border{ border-color:rgb(237, 198, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 198, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 198, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 198, 187);  
box-shadow:4px 4px 4px 4px rgb(237, 198,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0888, 61.9805, 55.5993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 198, 187) }
```

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

```
.background{ background-color: rgb(237,  
198, 187) }
```

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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