

# Converting Colors

XYZ(58.2303, 53.2921, 61.6208)

Have a look what the booklet for  
XYZ(58.2303, 53.2921, 61.6208)  
contains.

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# Color

**XYZ(58.3132, 53.3866,  
61.8748)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2B5C8
RGB	226, 181, 200
RGB Percent	89%, 71%, 78%
CMY	0.1137, 0.2902, 0.2157
CMYK	0.00, 0.20, 0.12, 0.11
HSL	335°, 44%, 80%
HSV	335°, 20%, 89%
XYZ	58.3132, 53.3866, 61.8748
YIQ	196.6210, 20.7210, 15.4490

# Conversions

## Conversions Part 2

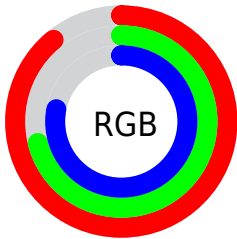
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 181, 200
Decimal	14857672
CIE Lab	78.10, 19.25, -3.41
CIE LCh	78, 19.545, 349.944
Yxy	53.3866, 0.3360, 0.3076
Android (android.graphics.Color)	4293047752 (0xFFE2B5C8)
YUV	196.6210, 1.6658, 25.7654
Hunter-Lab	73.0661, 14.5930, 0.9376

# Details

The XYZ color **58.3132, 53.3866, 61.8748** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **57.5170, 68.7228, 69.2680**, and the grayscale version is **52.8253, 55.5763, 60.5226**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **29.4850, 26.0597, 30.6701** is the 20% darker color. If you saturate the color by 10%, you get **52.6239, 44.3465, 52.7675**, and if you desaturate by 10%, it is **64.8814, 63.9744, 71.9195**.

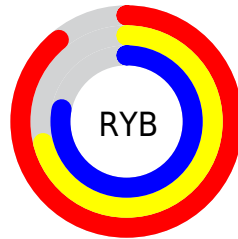
# Distribution



Red (89%)

Green (71%)

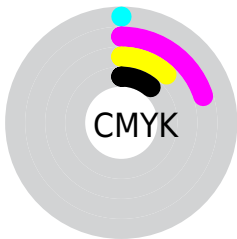
Blue (78%)



Red (89%)

Yellow (71%)

Blue (78%)

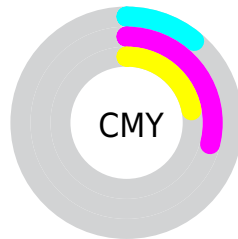


Cyan (0%)

Magenta (20%)

Yellow (12%)

Black (11%)



Cyan (11%)

Magenta (29%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3132, 53.3866, 61.8748 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 58.3132, 53.3866, 61.8748 by changing the saturation by 10% instead.



■ 58.3132, 53.3866,  
61.8748

■ 58.3132, 53.3866,  
61.8748

408.2870,  
399.7666, 449.4693

■ 42.3047, 38.1115,  
44.4964

■ 101.4992, 95.1730,  
109.1144

■ 29.5321, 26.0692,  
30.7209

129.4074,  
122.4531, 139.8127

■ 19.6300, 16.8754,  
20.1297

162.0128,  
154.5036, 175.7880

■ 12.2331, 10.1457,  
12.3044

199.6810,  
191.7089, 217.4589

■ 6.9760, 5.4957,  
6.8263

242.7771,  
234.4535, 265.2440

■ 3.4933, 2.5409,  
3.2769

291.6666,

■ 1.4197, 0.8971,

283.1217, 319.5617

1.2377

346.7148,  
338.0980, 380.8306

■ 0.2702, 0.0000,  
0.0099

■ 0.0000, 0.0000,  
0.0000

■ 58.3132, 53.3866,  
61.8748

■ 58.3132, 53.3866,  
61.8748

■ 52.6239, 44.3465,  
52.7675

■ 64.8814, 63.9744,  
71.9195

■ 47.7697, 36.7738,  
44.5651

■ 72.3604, 76.1710,  
82.9259

■ 43.7099, 30.5920,  
37.2382

■ 80.7862, 90.0426,  
94.9214

■ 40.3984, 25.7144,  
30.7539

■ 84.7326, 94.7322,  
106.1117

■ 37.7843, 22.0447,  
25.0771

■ 85.1743, 94.9089,  
108.4378

■ 35.8093, 19.4731,  
20.1694

■ 34.4051, 17.8692,  
15.9879

■ 33.4562, 17.0092,  
12.4729

■ 33.4486, 17.0026,  
12.4437

# Harmonies

## Analogous

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



56.5666, 53.3866, 72.7235



58.3132, 53.3866, 61.8748



57.9549, 53.3866, 51.2534

# Triad

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



58.3132, 53.3866, 61.8748



48.2811, 53.3866, 40.5327



46.1667, 53.3866, 75.7372

# Complementary

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



58.3132, 53.3866, 61.8748



57.5170, 68.7228, 69.2680

# 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.



44.1545, 53.3866, 65.5934



58.3132, 53.3866, 61.8748



45.3323, 53.3866, 45.6305

# Square

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



58.3132, 53.3866, 61.8748



52.0340, 53.3866, 39.8002



43.8569, 53.3866, 54.5374



49.4723, 53.3866, 81.3649



# Rectangle

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



58.3132, 53.3866, 61.8748



56.5765, 53.3866, 45.6572



43.8569, 53.3866, 54.5374



45.3237, 53.3866, 72.6871

# Sweetspot

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



58.3147, 53.3890, 61.8759



88.9709, 90.0673, 100.0124



55.8460, 51.7348, 78.9945



18.9076, 19.0569, 21.2058



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.



58.3147, 53.3890, 61.8759



73.3575, 64.9027, 76.1195



56.8469, 53.7884, 51.1050



13.9461, 13.7961, 15.4864



19.1387, 9.7225, 7.3963



1.3706, 0.6915, 0.7445



# Inverse Universe

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



58.3147, 53.3890, 61.8759



73.3575, 64.9027, 76.1195



59.1729, 68.0914, 81.9763



13.9461, 13.7961, 15.4864



19.1387, 9.7225, 7.3963



1.3706, 0.6915, 0.7445



# Previews

## White Background



This preview shows how the XYZ color 58.3132, 53.3866, 61.8748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

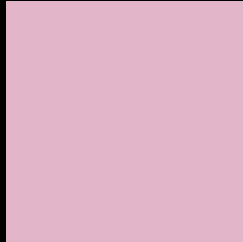
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3132, 53.3866, 61.8748 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

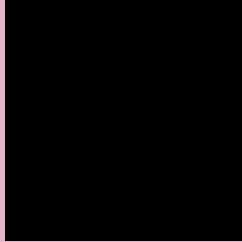
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.3132, 53.3866, 61.8748**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3132, 53.3866, 61.8748.



This preview shows how white text looks on a background with the XYZ color 58.3132, 53.3866,



# 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

58.3132, 53.3866, 61.8748

### Protanopia

52.1044, 53.5417, 66.6199

### Deuteranopia

54.6575, 53.3658, 61.4527



## Tritanopia

57.7431, 53.4490, 59.4978

# Trichromacy



## Original Color

58.3132, 53.3866, 61.8748

## Protanomaly

54.0591, 53.3052, 64.5665

## Deuteranomaly

55.9767, 53.4204, 61.3937

## Tritanomaly

57.8573, 53.4947, 60.0994

# Monochromacy



## Original Color

58.3132, 53.3866, 61.8748

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

54.8363, 54.7487, 61.1035

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3132, 53.3866, 61.8748 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(226, 181, 200)` looks like.

```
.text, #text, p{  
    color:rgb(226, 181, 200)  
}
```

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(226, 181, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 181, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3132, 53.3866, 61.8748 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(226, 181, 200) }
```



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

```
.border{ border-color:rgb(226, 181, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 181, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 181, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 181, 200);  
box-shadow:4px 4px 4px 4px rgb(226, 181,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3132, 53.3866, 61.8748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 181, 200) }
```

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

```
.background{ background-color: rgb(226,  
181, 200) }
```

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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