

# Converting Colors

XYZ(60.5767, 61.5312, 40.5823)

Have a look what the booklet for XYZ(60.5767, 61.5312, 40.5823) contains.

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# Color

**XYZ(60.5767, 61.5312,  
40.5823)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9C99D
RGB	233, 201, 157
RGB Percent	91%, 79%, 62%
CMY	0.0863, 0.2117, 0.3843
CMYK	0.00, 0.14, 0.33, 0.09
HSL	35°, 63%, 76%
HSV	35°, 33%, 91%
XYZ	60.5767, 61.5312, 40.5823
YIQ	205.5520, 33.1960, -6.9000

# Conversions

## Conversions Part 2

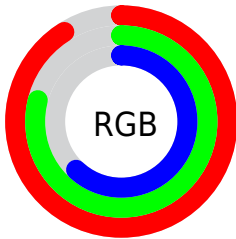
Format	Color
R <sub>Y</sub> B	212, 233, 157
Decimal	15321501
CIE Lab	82.66, 5.01, 26.18
CIE LCh	83, 26.654, 79.157
Yxy	61.5312, 0.3723, 0.3782
Android (android.graphics.Color)	4293511581 (0xFFE9C99D)
YUV	205.5520, -23.9361, 24.0719
Hunter-Lab	78.4418, 0.5734, 24.2353

# Details

The XYZ color **60.5767, 61.5312, 40.5823** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.8098, 49.4450, 84.1676**, and the grayscale version is **58.5144, 61.5617, 67.0407**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **30.8880, 31.1175, 17.7429** is the 20% darker color. If you saturate the color by 10%, you get **56.5604, 56.3841, 30.3475**, and if you desaturate by 10%, it is **65.1216, 67.1278, 52.8661**.

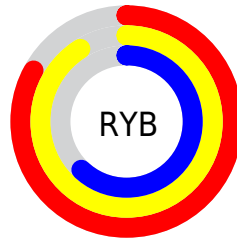
# Distribution



Red (91%)

Green (79%)

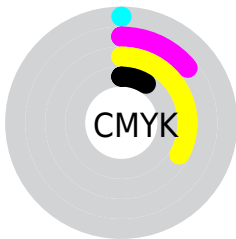
Blue (62%)



Red (83%)

Yellow (91%)

Blue (62%)

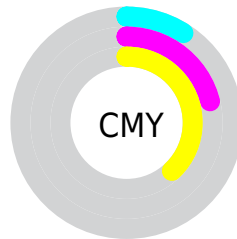


Cyan (0%)

Magenta (14%)

Yellow (33%)

Black (9%)



Cyan (9%)

Magenta (21%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.5767, 61.5312, 40.5823 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 60.5767, 61.5312, 40.5823 by changing the saturation by 10% instead.




 60.5767, 61.5312,  
40.5823


 60.5767, 61.5312,  
40.5823


416.5210,  
430.2190, 364.1966

 44.1349, 44.6540,  
27.6756


 104.7674,  
107.0477, 77.2962

 30.9749, 31.1850,  
17.8444


 133.2470,  
136.4558, 101.9404

 20.7315, 20.7398,  
10.6700


166.4698,  
170.8096, 131.3343

 13.0392, 12.9339,  
5.7340

204.8013,  
210.4936, 165.8963

 7.5327, 7.3830,  
2.6179

248.6068,  
255.8922, 206.0450

 3.8467, 3.7028,  
0.9017

298.2517,

 1.6158, 1.5087,

307.3896, 252.1989

0.0000

354.1013,  
365.3705, 304.7766

■ 0.4027, 0.2949,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.5767, 61.5312,  
40.5823

■ 60.5767, 61.5312,  
40.5823

■ 56.5604, 56.3841,  
30.3475

■ 65.1216, 67.1278,  
52.8661

■ 53.0436, 51.6639,  
22.0433

■ 70.2129, 73.1787,  
67.3010

■ 50.0013, 47.3584,  
15.5444

■ 75.8733, 79.6992,  
83.9866

■ 47.4039, 43.4512,  
10.7094

■ 82.1227, 86.7011,  
103.0152

■ 45.2178, 39.9240,  
7.3754

■ 85.8557, 92.9465,  
108.0231

■ 43.4027, 36.7559,  
5.3457

■ 87.4143, 96.0637,  
108.5427

■ 42.2557, 34.6265,  
4.4565

# Harmonies

## Analogous

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



65.9739, 61.5312, 45.8851



60.5767, 61.5312, 40.5823



54.9488, 61.5312, 41.4341

# Triad

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



60.5767, 61.5312, 40.5823



48.6990, 61.5312, 77.8720



67.2030, 61.5312, 89.7756

# Complementary

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



60.5767, 61.5312, 40.5823



46.8098, 49.4450, 84.1676

# 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.



62.1668, 61.5312, 101.3661



60.5767, 61.5312, 40.5823



51.5828, 61.5312, 93.7569

# Square

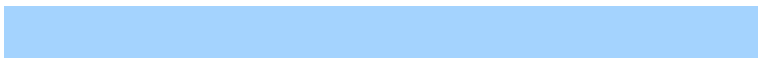
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.5767, 61.5312, 40.5823



48.3347, 61.5312, 61.2455



56.4392, 61.5312, 102.9315



69.9620, 61.5312, 73.0978



# Rectangle

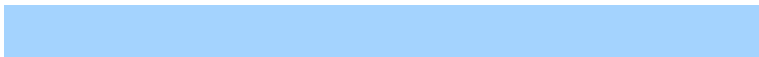
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.5767, 61.5312, 40.5823



51.8111, 61.5312, 45.4238



56.4392, 61.5312, 102.9315



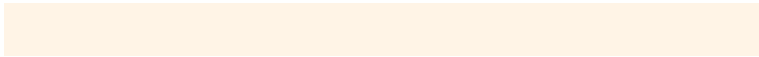
65.7056, 61.5312, 94.5043

# Sweetspot

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



60.5783, 61.5340, 40.5836



87.8832, 91.8060, 87.5837



54.9487, 45.1531, 54.4969



18.6074, 19.4139, 18.1542



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.



60.5783, 61.5340, 40.5836



71.0304, 71.3004, 41.2717



67.1988, 77.1954, 43.2576



15.7899, 16.5028, 15.8719



24.1021, 19.8984, 2.5705



1.9874, 1.7522, 0.2335



# Inverse Universe

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



46.8098, 49.4450, 84.1676



51.7345, 54.3654, 102.3746



41.6795, 37.6863, 82.1683



14.7524, 15.5912, 19.1541



10.9452, 8.5375, 44.8140



0.9527, 0.8570, 3.5501



# Previews

## White Background



This preview shows how the XYZ color 60.5767, 61.5312, 40.5823 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 60.5767, 61.5312, 40.5823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

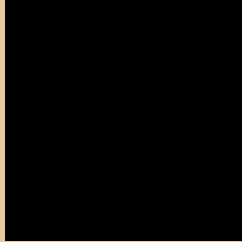
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.5767, 61.5312, 40.5823**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.5767, 61.5312, 40.5823.



This preview shows how white text looks on a background with the XYZ color 60.5767, 61.5312,



# 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

60.5767, 61.5312, 40.5823

### Protanopia

57.8445, 61.8615, 41.6926

### Deuteranopia

62.9836, 61.7340, 40.9440



## Tritanopia

66.3970, 61.5377, 68.7001

# Trichromacy



## Original Color

60.5767, 61.5312, 40.5823

## Protanomaly

58.8158, 61.6619, 41.1498

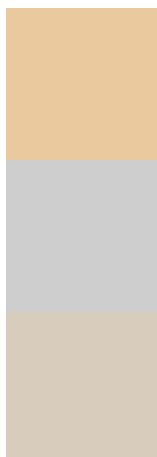
## Deuteranomaly

62.1916, 61.6662, 40.9727

## Tritanomaly

64.1856, 61.6547, 57.2328

# Monochromacy



## Original Color

60.5767, 61.5312, 40.5823

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.9889, 61.4155, 56.3223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.5767, 61.5312, 40.5823 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(233, 201, 157)` looks like.

```
.text, #text, p{  
    color:rgb(233, 201, 157)  
}
```

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(233, 201, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 201, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 60.5767, 61.5312, 40.5823 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(233, 201, 157) }
```



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

```
.border{ border-color:rgb(233, 201, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 201, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 201, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 201, 157);  
box-shadow:4px 4px 4px 4px rgb(233, 201,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.5767, 61.5312, 40.5823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 201, 157) }
```

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

```
.background{ background-color: rgb(233,  
201, 157) }
```

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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