

# Converting Colors

XYZ(58.7735, 60.1433, 45.5569)

Have a look what the booklet for  
XYZ(58.7735, 60.1433, 45.5569)  
contains.

<b>XYZ(58.7735, 60.1433, 45.5569)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(58.7735, 60.1433,  
45.5569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1C8A8
RGB	225, 200, 168
RGB Percent	88%, 78%, 66%
CMY	0.1176, 0.2157, 0.3412
CMYK	0.00, 0.11, 0.25, 0.12
HSL	34°, 49%, 77%
HSV	34°, 25%, 88%
XYZ	58.7735, 60.1433, 45.5569
YIQ	203.8270, 25.1720, -4.6520

# Conversions

## Conversions Part 2

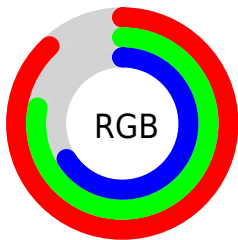
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 225, 168
Decimal	14796968
CIE <sub>Lab</sub>	81.92, 3.92, 19.23
CIE <sub>LCh</sub>	82, 19.630, 78.470
Yxy	60.1433, 0.3573, 0.3657
Android (android.graphics.Color)	4292987048 (0xFFE1C8A8)
YUV	203.8270, -17.6627, 18.5687
Hunter-Lab	77.5521, -0.4385, 19.4574

# Details

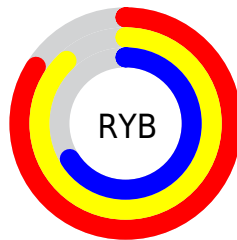
The XYZ color **58.7735, 60.1433, 45.5569** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.8086, 51.8995, 78.6795**, and the grayscale version is **57.3835, 60.3719, 65.7450**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **29.7935, 30.2537, 20.7923** is the 20% darker color. If you saturate the color by 10%, you get **54.6447, 54.9547, 34.7185**, and if you desaturate by 10%, it is **63.4157, 65.7774, 58.3571**.

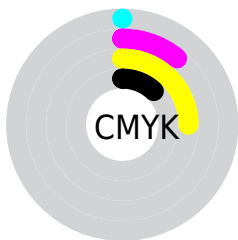
# Distribution



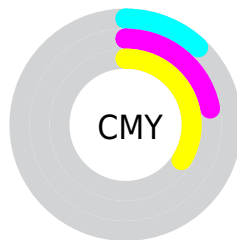
- Red (88%)
- Green (78%)
- Blue (66%)



- Red (84%)
- Yellow (88%)
- Blue (66%)



- Cyan (0%)
- Magenta (11%)
- Yellow (25%)
- Black (12%)



- Cyan (12%)
- Magenta (22%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7735, 60.1433, 45.5569 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 58.7735, 60.1433, 45.5569 by changing the saturation by 10% instead.



■ 58.7735, 60.1433,  
45.5569

■ 58.7735, 60.1433,  
45.5569

409.9696,  
425.1258, 385.2501

■ 42.6765, 43.5341,  
31.5502

■ 102.1649,  
105.0375, 84.8828

■ 29.8248, 30.3044,  
20.7562

■ 130.1900,  
134.0914, 111.0390

■ 19.8530, 20.0698,  
12.7564

162.9219,  
168.0622, 142.0821

■ 12.3959, 12.4458,  
7.1323

200.7258,  
207.3345, 178.4306

■ 7.0880, 7.0480,  
3.4653

243.9672,  
252.2926, 220.5031

■ 3.5640, 3.4922,  
1.3368

293.0114,

■ 1.4586, 1.3938,

303.3209, 268.7182

0.0917

348.2237,  
360.8039, 323.4943

■ 0.2974, 0.2121,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.7735, 60.1433,  
45.5569

■ 58.7735, 60.1433,  
45.5569

■ 54.6447, 54.9547,  
34.7185

■ 63.4157, 65.7774,  
58.3571

■ 51.0031, 50.1904,  
25.7390

■ 68.5866, 71.8612,  
73.2076

■ 47.8270, 45.8394,  
18.5114

■ 74.3065, 78.4090,  
90.1959

■ 45.0912, 41.8868,  
12.9164

■ 80.1063, 85.2372,  
106.8381

■ 42.7672, 38.3164,  
8.8195

■ 83.0818, 91.1883,  
107.8300

■ 40.8224, 35.1102,  
6.0643

■ 84.8614, 94.7476,  
108.4232

■ 39.2173, 32.2471,  
4.4590

■ 38.5552, 31.0152,  
3.9544

# Harmonies

## Analogous

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



62.6174, 60.1433, 49.8306



58.7735, 60.1433, 45.5569



54.6745, 60.1433, 46.1212

# Triad

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



58.7735, 60.1433, 45.5569



49.9280, 60.1433, 72.9926



63.3457, 60.1433, 81.8285

# Complementary

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



58.7735, 60.1433, 45.5569



48.8086, 51.8995, 78.6795

# 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.



59.7288, 60.1433, 89.6294



58.7735, 60.1433, 45.5569



52.0376, 60.1433, 84.1181

# Square

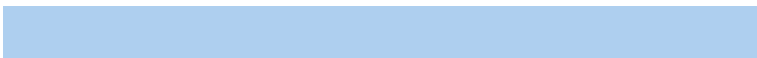
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.7735, 60.1433, 45.5569



49.7000, 60.1433, 61.0254



55.5849, 60.1433, 90.5146



65.3411, 60.1433, 70.1585



# Rectangle

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



58.7735, 60.1433, 45.5569



52.3446, 60.1433, 49.1801



55.5849, 60.1433, 90.5146



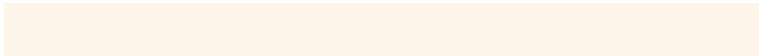
62.2714, 60.1433, 85.0478

# Sweetspot

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



58.7751, 60.1460, 45.5582



89.1500, 93.1797, 91.5814



54.7528, 47.8928, 57.1922



18.8556, 19.6793, 18.9490



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.



58.7751, 60.1460, 45.5582



75.3026, 76.4474, 53.1701



64.1636, 72.2312, 47.6068



14.3425, 14.9709, 14.4405



22.3355, 18.1090, 2.3182



1.6369, 1.4326, 0.1903



# Inverse Universe

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



48.8086, 51.8995, 78.6795



60.0801, 63.8543, 103.7663



44.3559, 42.0834, 77.0195



13.4441, 14.2273, 17.4253



10.4963, 8.4622, 42.1285



0.8155, 0.7625, 2.9494



# Previews

## White Background



This preview shows how the XYZ color 58.7735, 60.1433, 45.5569 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

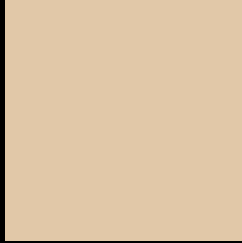
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.7735, 60.1433, 45.5569 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 58.7735, 60.1433, 45.5569**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.7735, 60.1433, 45.5569.



This preview shows how white text looks on a background with the XYZ color 58.7735, 60.1433,

45.5569.

# 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

58.7735, 60.1433, 45.5569

### Protanopia

56.6360, 60.0612, 46.6382

### Deuteranopia

61.4934, 60.1773, 45.9104



## Tritanopia

63.4335, 60.0100, 68.5614

# Trichromacy



## Original Color

58.7735, 60.1433, 45.5569

## Protanomaly

57.4954, 60.1657, 46.1189

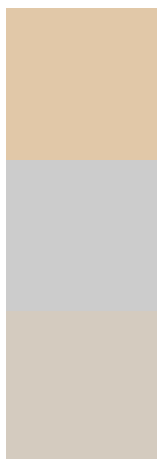
## Deuteranomaly

60.4064, 59.9529, 45.9244

## Tritanomaly

61.4724, 59.8689, 59.3548

# Monochromacy



## Original Color

58.7735, 60.1433, 45.5569

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

57.9113, 60.4705, 57.9099

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.7735, 60.1433, 45.5569 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(225, 200, 168)` looks like.

```
.text, #text, p{  
    color:rgb(225, 200, 168)  
}
```

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(225, 200, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 200, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 58.7735, 60.1433, 45.5569 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(225, 200, 168) }
```



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

```
.border{ border-color:rgb(225, 200, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 200, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 200, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 200, 168); box-shadow:4px 4px 4px 4px rgb(225, 200, 168) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.7735, 60.1433, 45.5569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 200, 168) }
```

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

```
.background{ background-color: rgb(225,  
200, 168) }
```

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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