

Converting Colors

XYZ(67.8764, 72.4345, 59.1226)

Have a look what the booklet for
XYZ(67.8764, 72.4345, 59.1226)
contains.

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Color

**XYZ(67.7838, 72.2536,
59.0889)**

Conversions

Conversions Part 1

Format	Color
Hex	E6DDBE
RGB	230, 221, 190
RGB Percent	90%, 87%, 75%
CMY	0.0980, 0.1333, 0.2549
CMYK	0.00, 0.04, 0.17, 0.10
HSL	47°, 44%, 82%
HSV	47°, 17%, 90%
XYZ	67.7838, 72.2536, 59.0889
YIQ	220.1570, 15.3150, -7.7330

Conversions

Conversions Part 2

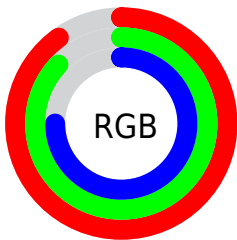
Format	Color
R_{YB}	202, 230, 190
Decimal	15130046
CIE Lab	88.09, -1.95, 16.33
CIE LCh	88, 16.448, 96.805
Yxy	72.2536, 0.3404, 0.3629
Android (android.graphics.Color)	4293320126 (0xFFE6DDBE)
YUV	220.1570, -14.8674, 8.6323
Hunter-Lab	85.0021, -6.4113, 18.2863

Details

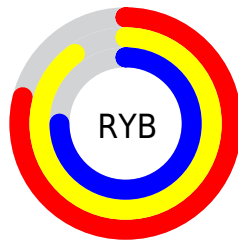
The XYZ color **67.7838, 72.2536, 59.0889** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.9412, 57.5058, 83.0146**, and the grayscale version is **68.2318, 71.7851, 78.1740**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **35.6071, 38.0772, 29.1399** is the 20% darker color. If you saturate the color by 10%, you get **64.1218, 68.6397, 46.4292**, and if you desaturate by 10%, it is **71.8885, 76.1168, 73.8550**.

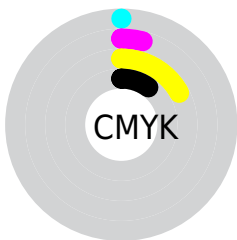
Distribution



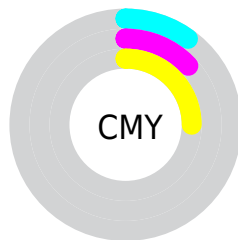
- Red (90%)
- Green (87%)
- Blue (75%)



- Red (79%)
- Yellow (90%)
- Blue (75%)



- Cyan (0%)
- Magenta (4%)
- Yellow (17%)
- Black (10%)



- Cyan (10%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7838, 72.2536, 59.0889 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 67.7838, 72.2536, 59.0889 by changing the saturation by 10% instead.

67.7838, 72.2536,
59.0889

67.7838, 72.2536,
59.0889

442.1184,
468.4238, 438.9423

49.9949, 53.3659,
42.2642

115.0864,
122.4170, 105.0373

35.6271, 38.0949,
28.9811

145.3308,
154.4615, 134.9980

24.3151, 26.0564,
18.8211

180.4578,
191.6603, 170.1745

15.6935, 16.8658,
11.3656

220.8327,
234.3979, 210.9853

9.3970, 10.1389,
6.1960

266.8208,
283.0587, 257.8489

5.0602, 5.4911,
2.8939

318.7876,

2.3178, 2.5382,

338.0270, 311.1840

1.0407

377.0983,
399.6872, 371.4089

■ 0.8037, 0.8957,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7838, 72.2536,
59.0889

■ 67.7838, 72.2536,
59.0889

■ 64.1218, 68.6397,
46.4292

■ 71.8885, 76.1168,
73.8550

■ 60.8777, 65.2572,
35.7735

■ 76.4479, 80.2273,
90.8144

■ 58.0331, 62.1007,
27.0176

■ 80.8293, 84.3352,
106.6259

■ 55.5658, 59.1606,
20.0461

■ 82.3446, 87.3656,
107.1310

■ 53.4510, 56.4263,
14.7311

■ 83.9033, 90.4830,
107.6505

■ 51.6607, 53.8862,
10.9272

■ 85.5059, 93.6882,
108.1847

■ 50.1624, 51.5264,
8.4642

■ 86.4433, 95.5631,
108.4972

■ 48.9125, 49.3289,
7.1158

■ 48.6093, 48.7750,
6.8525

Harmonies

Analogous

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



71.6928, 72.2536, 60.4175



67.7838, 72.2536, 59.0889



64.2487, 72.2536, 62.5925

Triad

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



67.7838, 72.2536, 59.0889



62.8033, 72.2536, 92.3553



75.8538, 72.2536, 87.5026

Complementary

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



67.7838, 72.2536, 59.0889



55.9412, 57.5058, 83.0146

Split Complementary

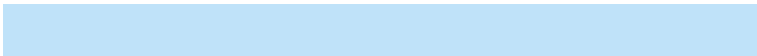
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.2998, 72.2536, 97.2931



67.7838, 72.2536, 59.0889



65.7429, 72.2536, 100.2761

Square

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



67.7838, 72.2536, 59.0889



61.4450, 72.2536, 81.2629



69.5737, 72.2536, 102.1641



76.4508, 72.2536, 76.1365

Rectangle

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



67.7838, 72.2536, 59.0889



62.5465, 72.2536, 67.4136



69.5737, 72.2536, 102.1641



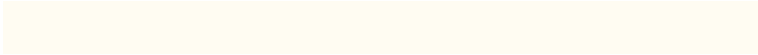
75.1911, 72.2536, 91.1186

Sweetspot

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



67.7857, 72.2568, 59.0904



92.1567, 97.3901, 98.1424



61.3949, 57.7898, 62.1555



19.6408, 20.7684, 20.6951



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.



67.7857, 72.2568, 59.0904



83.8736, 89.5742, 68.4052



66.9055, 75.4237, 59.7481



15.3123, 16.2385, 15.2318



27.6152, 27.8046, 3.9113



2.1083, 2.1900, 0.3116

Inverse Universe

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



55.9412, 57.5058, 83.0146



66.1768, 67.5364, 104.1557



56.6951, 54.9124, 82.4743



13.8444, 14.4102, 18.1961



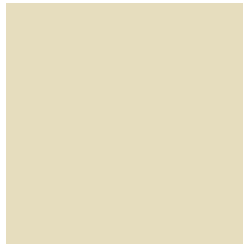
8.8497, 4.7615, 42.8358



0.7227, 0.4893, 3.1883

Previews

White Background



This preview shows how the XYZ color 67.7838, 72.2536, 59.0889 looks on a white background.

Color Contrast Check

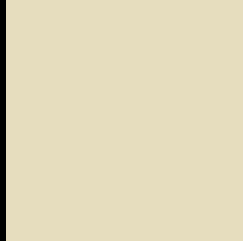
Large Text (above 18pt) WCAG AA × Fail

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 67.7838, 72.2536, 59.0889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

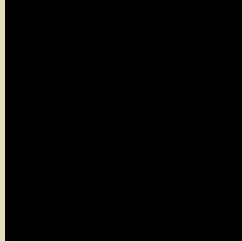
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7838, 72.2536, 59.0889

Background



This preview shows how black text looks on a background with the XYZ color 67.7838, 72.2536, 59.0889.



This preview shows how white text looks on a background with the XYZ color 67.7838, 72.2536, 59.0889.

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

67.7838, 72.2536, 59.0889

Protanopia

68.1662, 72.0599, 59.0314

Deuteranopia

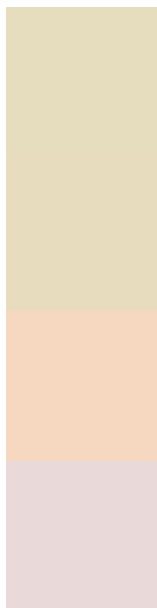
73.8167, 72.2769, 59.9295



Tritanopia

73.4580, 72.2599, 86.4198

Trichromacy



Original Color

67.7838, 72.2536, 59.0889

Protanomaly

67.8425, 71.8930, 59.0163

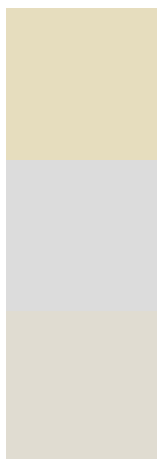
Deuteranomaly

71.6160, 72.2858, 59.4682

Tritanomaly

71.2689, 72.1279, 75.8114

Monochromacy



Original Color

67.7838, 72.2536, 59.0889

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.8423, 71.6371, 70.5733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7838, 72.2536, 59.0889 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(230, 221, 190)` looks like.

```
.text, #text, p{  
    color:rgb(230, 221, 190)  
}
```

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(230, 221, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 221, 190) }
```

Border

The CSS property to change the border of an element to XYZ 67.7838, 72.2536, 59.0889 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(230, 221, 190) }
```


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

```
.border{ border-color:rgb(230, 221, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 221, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 221, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 221, 190);  
box-shadow:4px 4px 4px 4px rgb(230, 221,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7838, 72.2536, 59.0889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 221, 190) }
```

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

```
.background{ background-color: rgb(230,  
221, 190) }
```

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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