

Converting Colors

XYZ(67.6787, 72.8064, 59.7767)

Have a look what the booklet for
XYZ(67.6787, 72.8064, 59.7767)
contains.

XYZ(67.7866, 73.0309, 59.8139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.7866, 73.0309,
59.8139)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DFBF
RGB	228, 223, 191
RGB Percent	89%, 87%, 75%
CMY	0.1059, 0.1255, 0.2510
CMYK	0.00, 0.02, 0.16, 0.11
HSL	52°, 41%, 82%
HSV	52°, 16%, 89%
XYZ	67.7866, 73.0309, 59.8139
YIQ	220.8470, 13.2520, -8.8920

Conversions

Conversions Part 2

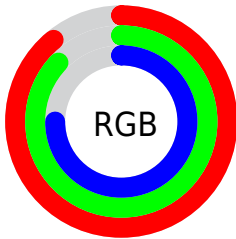
Format	Color
RYB	197, 228, 191
Decimal	14999487
CIELab	88.46, -3.55, 16.31
CIELCh	88, 16.690, 102.267
Yxy	73.0309, 0.3379, 0.3640
Android (android.graphics.Color)	4293189567 (0xFFE4DFBF)
YUV	220.8470, -14.7146, 6.2732
Hunter-Lab	85.4581, -7.9630, 18.3224

Details

The XYZ color **67.7866, 73.0309, 59.8139** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.2294, 56.1567, 81.3279**, and the grayscale version is **68.7150, 72.2935, 78.7277**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **35.6033, 38.6109, 29.6209** is the 20% darker color. If you saturate the color by 10%, you get **64.6560, 70.4770, 47.3401**, and if you desaturate by 10%, it is **71.3267, 75.7774, 74.3530**.

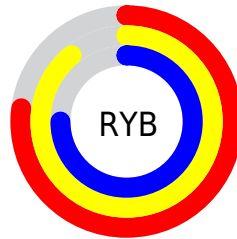
Distribution



Red (89%)

Green (87%)

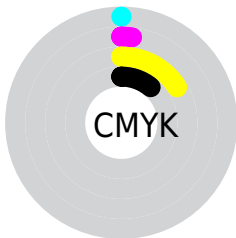
Blue (75%)



Red (77%)

Yellow (89%)

Blue (75%)

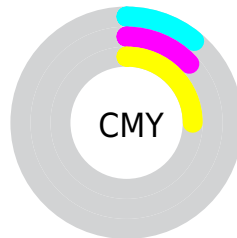


Cyan (0%)

Magenta (2%)

Yellow (16%)

Black (11%)



Cyan (11%)

Magenta (13%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7866, 73.0309, 59.8139 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 67.7866, 73.0309, 59.8139 by changing the saturation by 10% instead.

67.7866, 73.0309,
59.8139

67.7866, 73.0309,
59.8139

442.1281,
471.1219, 441.6971

49.9972, 54.0012,
42.8443

115.0904,
123.5211, 106.1004

35.6290, 38.6026,
29.4325

145.3355,
155.7504, 136.2544

24.3165, 26.4508,
19.1599

180.4632,
193.1483, 171.6403

15.6946, 17.1612,
11.6079

220.8388,
236.0993, 212.6766

9.3978, 10.3495,
6.3580

266.8278,
284.9878, 259.7819

5.0607, 5.6313,
2.9917

318.7954,

2.3181, 2.6222,

340.1981, 313.3747

1.0904

377.1071,
402.1147, 373.8736

■ 0.8039, 0.9378,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7866, 73.0309,
59.8139

■ 67.7866, 73.0309,
59.8139

■ 64.6560, 70.4770,
47.3401

■ 71.3267, 75.7774,
74.3530

■ 61.9110, 68.0987,
36.8321

■ 75.2874, 78.7138,
91.0415

■ 59.5340, 65.8913,
28.1889

■ 78.9696, 81.5629,
106.1888

■ 57.5037, 63.8462,
21.2991

■ 79.8449, 83.3135,
106.4806

■ 55.7967, 61.9537,
16.0389

■ 80.7355, 85.0947,
106.7775

■ 54.3862, 60.2032,
12.2688

■ 81.6414, 86.9066,
107.0794

■ 53.2413, 58.5820,
9.8256

■ 82.5628, 88.7493,
107.3865

■ 52.3232, 57.0746,
8.5058

■ 83.4996, 90.6229,
107.6988

■ 52.0109, 56.5256,
8.1693

■ 84.4520, 92.5277,
108.0163

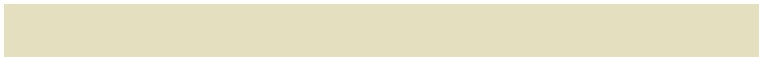
Harmonies

Analogous

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



71.7914, 73.0309, 60.2664



67.7866, 73.0309, 59.8139



64.3505, 73.0309, 64.2555

Triad

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



67.7866, 73.0309, 59.8139



63.8569, 73.0309, 95.3323



77.0283, 73.0309, 86.4432

Complementary

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



67.7866, 73.0309, 59.8139



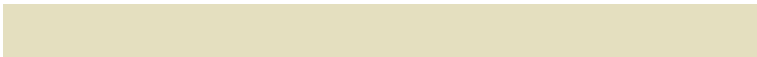
55.2294, 56.1567, 81.3279

Split Complementary

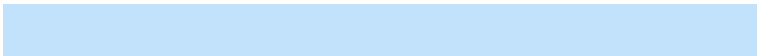
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.7357, 73.0309, 97.0246



67.7866, 73.0309, 59.8139



67.0891, 73.0309, 102.4870

Square

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



67.7866, 73.0309, 59.8139



62.1410, 73.0309, 84.3080



71.0666, 73.0309, 103.1346



77.2327, 73.0309, 74.9134

Rectangle

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



67.7866, 73.0309, 59.8139



62.8033, 73.0309, 69.6683



71.0666, 73.0309, 103.1346



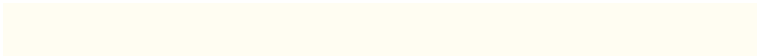
76.4724, 73.0309, 90.2554

Sweetspot

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



67.7885, 73.0341, 59.8155



92.5179, 98.1124, 98.2628



60.6532, 57.7673, 60.5079



19.7289, 20.9444, 20.7245



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.



67.7885, 73.0341, 59.8155



86.1561, 93.1602, 72.1842



65.1872, 73.7038, 60.0818



15.4270, 16.4678, 15.2700



30.0968, 32.7677, 4.7385



2.2702, 2.5137, 0.3655

Inverse Universe

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



55.2294, 56.1567, 81.3279



67.4738, 68.0552, 104.1875



57.5235, 55.6944, 81.1178



13.7390, 14.1993, 18.1610



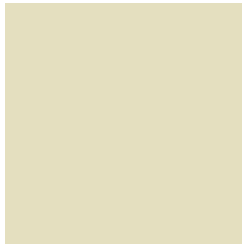
8.4149, 3.8919, 42.6909



0.6723, 0.3885, 3.1715

Previews

White Background



This preview shows how the XYZ color 67.7866, 73.0309, 59.8139 looks on a white background.

Color Contrast Check

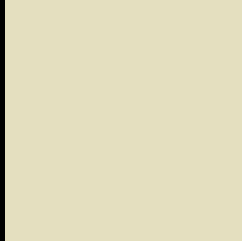
Large Text (above 18pt) WCAG AA × Fail

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 67.7866, 73.0309, 59.8139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

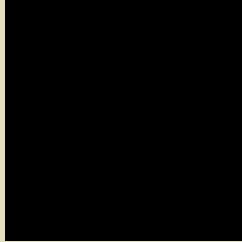
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

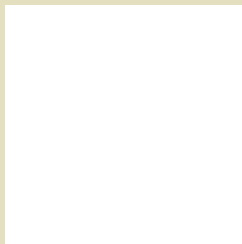
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7866, 73.0309, 59.8139

Background



This preview shows how black text looks on a background with the XYZ color 67.7866, 73.0309, 59.8139.



This preview shows how white text looks on a background with the XYZ color 67.7866, 73.0309, 59.8139.

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

67.7866, 73.0309, 59.8139

Protanopia

68.7550, 72.7542, 59.1344

Deuteranopia

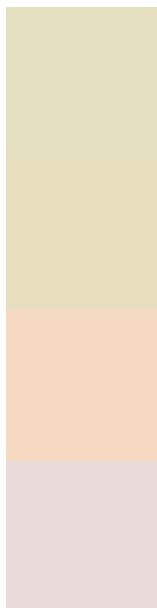
74.5453, 73.0142, 60.6163



Tritanopia

73.5958, 73.0586, 88.0647

Trichromacy



Original Color

67.7866, 73.0309, 59.8139

Protanomaly

68.3705, 72.9492, 59.1923

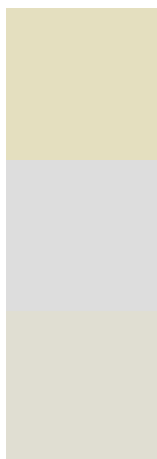
Deuteranomaly

71.9835, 72.8440, 60.1355

Tritanomaly

71.2651, 72.8808, 76.6410

Monochromacy



Original Color

67.7866, 73.0309, 59.8139

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.4946, 72.7430, 71.4035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7866, 73.0309, 59.8139 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(228, 223, 191)` looks like.

```
.text, #text, p{  
    color:rgb(228, 223, 191)  
}
```

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(228, 223, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 223, 191) }
```

Border

The CSS property to change the border of an element to XYZ 67.7866, 73.0309, 59.8139 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(228, 223, 191) }
```


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

```
.border{ border-color:rgb(228, 223, 191) }
```

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

Here you see how a box with a 4 pixel rgb(228, 223, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 223, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 223, 191);  
box-shadow:4px 4px 4px 4px rgb(228, 223,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7866, 73.0309, 59.8139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 223, 191) }
```

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

```
.background{ background-color: rgb(228,  
223, 191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor