

Converting Colors

XYZ(67.7820, 72.6301, 56.3459)

Have a look what the booklet for
XYZ(67.7820, 72.6301, 56.3459)
contains.

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Color

**XYZ(67.8332, 72.7343,
56.3629)**

Conversions

Conversions Part 1

Format	Color
Hex	E7DEB9
RGB	231, 222, 185
RGB Percent	91%, 87%, 73%
CMY	0.0941, 0.1294, 0.2745
CMYK	0.00, 0.04, 0.20, 0.09
HSL	48°, 49%, 82%
HSV	48°, 20%, 91%
XYZ	67.8332, 72.7343, 56.3629
YIQ	220.4730, 17.2410, -9.5990

Conversions

Conversions Part 2

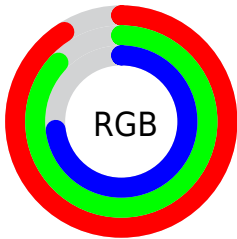
Format	Color
R_{YB}	196, 231, 185
Decimal	15195833
CIE Lab	88.32, -2.83, 19.28
CIE LCh	88, 19.485, 98.361
Yxy	72.7343, 0.3445, 0.3693
Android (android.graphics.Color)	4293385913 (0xFFE7DEB9)
YUV	220.4730, -17.4882, 9.2322
Hunter-Lab	85.2844, -7.2730, 20.5154

Details

The XYZ color **67.8332, 72.7343, 56.3629** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.7229, 54.6660, 83.3217**, and the grayscale version is **68.4697, 72.0354, 78.4466**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **35.6628, 38.4173, 27.3655** is the 20% darker color. If you saturate the color by 10%, you get **64.4071, 69.4723, 44.1516**, and if you desaturate by 10%, it is **71.6916, 76.2256, 70.6747**.

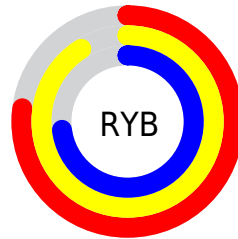
Distribution



Red (91%)

Green (87%)

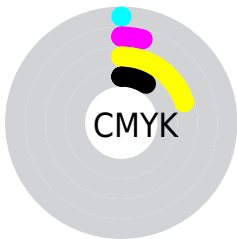
Blue (73%)



Red (77%)

Yellow (91%)

Blue (73%)

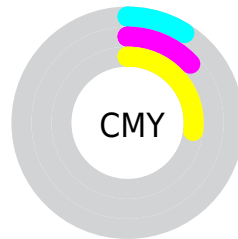


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (9%)



Cyan (9%)

Magenta (13%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8332, 72.7343, 56.3629 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 67.8332, 72.7343, 56.3629 by changing the saturation by 10% instead.

■ 67.8332, 72.7343,
56.3629

■ 67.8332, 72.7343,
56.3629

442.2908,
470.0934, 428.4844

■ 50.0352, 53.7587,
40.0880

■ 115.1567,
123.0999, 101.0261

■ 35.6593, 38.4088,
27.2929

145.4130,
155.2588, 130.2514

■ 24.3401, 26.3001,
17.5589

180.5527,
192.5809, 164.6307

■ 15.7122, 17.0483,
10.4676

220.9412,
235.4506, 204.5824

■ 9.4103, 10.2689,
5.6005

266.9440,
284.2523, 250.5250

■ 5.0690, 5.5776,
2.5389

318.9262,

■ 2.3230, 2.5900,

339.3704, 302.8772

0.8606

377.2534,
401.1893, 362.0575

■ 0.8064, 0.9216,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.8332, 72.7343,
56.3629

■ 67.8332, 72.7343,
56.3629

■ 64.4071, 69.4723,
44.1516

■ 71.6916, 76.2256,
70.6747

■ 61.3881, 66.4217,
33.9354

■ 75.9945, 79.9440,
87.1763

■ 58.7572, 63.5770,
25.6069

■ 80.7609, 83.9001,
105.9575

■ 56.4915, 60.9286,
19.0467

■ 82.1869, 86.5725,
106.9862

■ 54.5654, 58.4659,
14.1214

■ 83.5338, 89.2663,
107.4352

■ 52.9499, 56.1768,
10.6789

■ 84.9140, 92.0268,
107.8952

■ 51.6103, 54.0470,
8.5385

■ 86.3279, 94.8545,
108.3665

■ 50.4878, 52.0527,
7.3920

■ 86.7651, 95.7290,
108.5123

■ 50.4784, 52.0357,
7.3834

Harmonies

Analogous

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



72.4990, 72.7343, 57.5996



67.8332, 72.7343, 56.3629



63.7030, 72.7343, 60.6797

Triad

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



67.8332, 72.7343, 56.3629



62.3218, 72.7343, 96.2664



77.8263, 72.7343, 89.0704

Complementary

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



67.8332, 72.7343, 56.3629



53.7229, 54.6660, 83.3217

Split Complementary

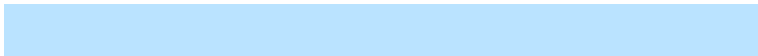
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.8605, 72.7343, 101.1394



67.8332, 72.7343, 56.3629



65.8705, 72.7343, 105.6090

Square

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



67.8332, 72.7343, 56.3629



60.6162, 72.7343, 82.9971



70.4468, 72.7343, 107.4861



78.4097, 72.7343, 75.5114

Rectangle

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



67.8332, 72.7343, 56.3629



61.7594, 72.7343, 66.4469



70.4468, 72.7343, 107.4861



77.0686, 72.7343, 93.4781

Sweetspot

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



67.8351, 72.7375, 56.3644



91.7366, 97.1595, 96.1232



60.0647, 55.5918, 58.7223



19.5609, 20.7313, 20.2898



0.0000, 0.0000, 0.0000



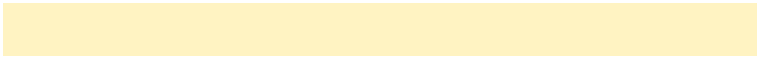
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8351, 72.7375, 56.3644



83.0156, 89.2670, 63.7761



66.0082, 75.4374, 56.9819



15.3496, 16.3131, 15.2442



28.3873, 29.3487, 4.1687



2.1591, 2.2916, 0.3285

Inverse Universe

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



53.7229, 54.6660, 83.3217



62.2621, 62.6934, 103.4272



55.2737, 52.5832, 82.8379



13.8098, 14.3411, 18.1846



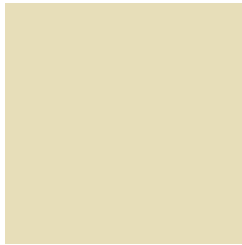
8.6844, 4.4309, 42.7807



0.7058, 0.4555, 3.1827

Previews

White Background



This preview shows how the XYZ color 67.8332, 72.7343, 56.3629 looks on a white background.

Color Contrast Check

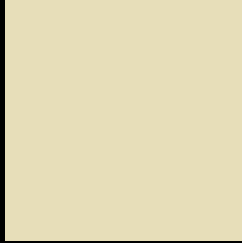
Large Text (above 18pt) WCAG AA × Fail

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 67.8332, 72.7343, 56.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

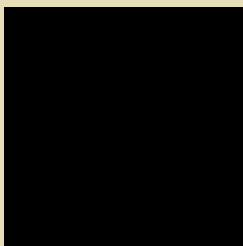
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

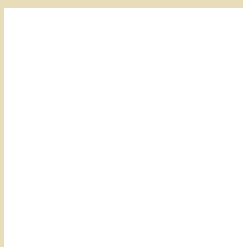
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8332, 72.7343, 56.3629

Background



This preview shows how black text looks on a background with the XYZ color 67.8332, 72.7343, 56.3629.



This preview shows how white text looks on a background with the XYZ color 67.8332, 72.7343,

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

67.8332, 72.7343, 56.3629

Protanopia

68.5451, 72.7081, 56.3203

Deuteranopia

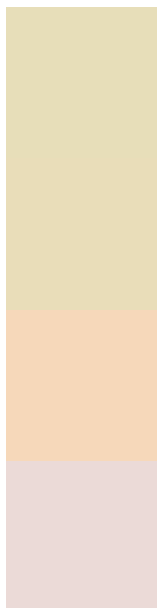
74.0039, 72.4364, 57.0949



Tritanopia

73.7910, 72.4316, 86.4354

Trichromacy



Original Color

67.8332, 72.7343, 56.3629

Protanomaly

68.2177, 72.5393, 56.3050

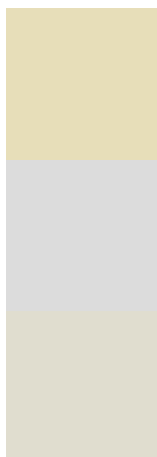
Deuteranomaly

71.4248, 72.2497, 56.6355

Tritanomaly

71.5981, 72.7113, 74.5510

Monochromacy



Original Color

67.8332, 72.7343, 56.3629

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.8594, 72.0652, 69.3649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8332, 72.7343, 56.3629 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(231, 222, 185)` looks like.

```
.text, #text, p{  
    color:rgb(231, 222, 185)  
}
```

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(231, 222, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 222, 185) }
```

Border

The CSS property to change the border of an element to XYZ 67.8332, 72.7343, 56.3629 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(231, 222, 185) }
```


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

```
.border{ border-color:rgb(231, 222, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 222, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 222, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 222, 185); box-shadow:4px 4px 4px 4px rgb(231, 222, 185) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8332, 72.7343, 56.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 222, 185) }
```

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

```
.background{ background-color: rgb(231,  
222, 185) }
```

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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