

Converting Colors

XYZ(67.1661, 72.5578, 56.9198)

Have a look what the booklet for
XYZ(67.1661, 72.5578, 56.9198)
contains.

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Color

**XYZ(66.9791, 72.2817,
56.8760)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DEBA
RGB	228, 222, 186
RGB Percent	89%, 87%, 73%
CMY	0.1059, 0.1294, 0.2706
CMYK	0.00, 0.03, 0.18, 0.11
HSL	51°, 44%, 81%
HSV	51°, 18%, 89%
XYZ	66.9791, 72.2817, 56.8760
YIQ	219.6900, 15.1320, -9.9240

Conversions

Conversions Part 2

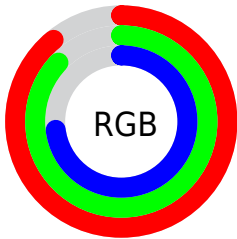
Format	Color
RYB	193, 228, 186
Decimal	14999226
CIELab	88.10, -3.78, 18.42
CIELCh	88, 18.802, 101.604
Yxy	72.2817, 0.3415, 0.3685
Android (android.graphics.Color)	4293189306 (0xFFE4DEBA)
YUV	219.6900, -16.6092, 7.2879
Hunter-Lab	85.0186, -8.1574, 19.8491

Details

The XYZ color **66.9791, 72.2817, 56.8760** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.1028, 53.7387, 80.9730**, and the grayscale version is **67.9177, 71.4547, 77.8142**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **35.0656, 38.1015, 27.6965** is the 20% darker color. If you saturate the color by 10%, you get **63.8907, 69.6790, 44.8272**, and if you desaturate by 10%, it is **70.4748, 75.0789, 70.9704**.

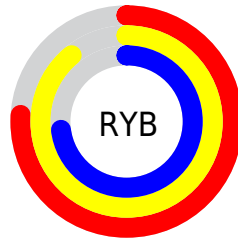
Distribution



Red (89%)

Green (87%)

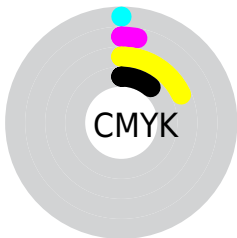
Blue (73%)



Red (76%)

Yellow (89%)

Blue (73%)

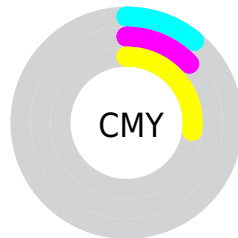


Cyan (0%)

Magenta (3%)

Yellow (18%)

Black (11%)



Cyan (11%)

Magenta (13%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9791, 72.2817, 56.8760 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 66.9791, 72.2817, 56.8760 by changing the saturation by 10% instead.

■ 66.9791, 72.2817,
56.8760

■ 66.9791, 72.2817,
56.8760

439.3040,
468.5215, 430.4652

■ 49.3383, 53.3888,
40.4970

■ 113.9404,
122.4569, 101.7828

■ 35.1035, 38.1133,
27.6095

143.9916,
154.5081, 131.1476

■ 23.9095, 26.0706,
17.7951

178.9104,
191.7142, 165.6782

■ 15.3909, 16.8765,
10.6350

219.0619,
234.4595, 205.7929

■ 9.1823, 10.1465,
5.7109

264.8117,
283.1285, 251.9105

■ 4.9183, 5.4962,
2.6042

316.5251,

■ 2.2337, 2.5412,

338.1056, 304.4494

0.8946

374.5674,
399.7751, 363.8281

■ 0.7604, 0.8972,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.9791, 72.2817,
56.8760

■ 66.9791, 72.2817,
56.8760

■ 63.8907, 69.6790,
44.8272

■ 70.4748, 75.0789,
70.9704

■ 61.1855, 67.2537,
34.7230

■ 74.3893, 78.0681,
87.1958

■ 58.8456, 65.0008,
26.4606

■ 78.7406, 81.2589,
105.6383

■ 56.8491, 62.9117,
19.9262

■ 79.7602, 83.1442,
106.4524

■ 55.1720, 60.9763,
14.9929

■ 80.7006, 85.0252,
106.7659

■ 53.7868, 59.1837,
11.5168

■ 81.6583, 86.9404,
107.0851

■ 52.6612, 57.5207,
9.3280

■ 82.6331, 88.8901,
107.4100

■ 51.7480, 55.9683,
8.1790

■ 83.6252, 90.8744,
107.7407

■ 51.6125, 55.7289,
8.0365

■ 84.6348, 92.8935,
108.0772

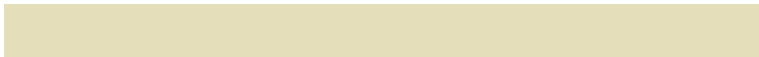
Harmonies

Analogous

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



71.4632, 72.2817, 57.4890



66.9791, 72.2817, 56.8760



63.1255, 72.2817, 61.6191

Triad

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



66.9791, 72.2817, 56.8760



62.4442, 72.2817, 96.2933



77.2264, 72.2817, 86.7687

Complementary

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



66.9791, 72.2817, 56.8760



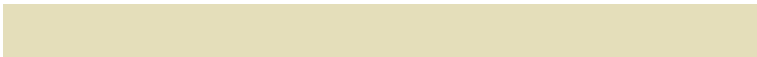
53.1028, 53.7387, 80.9730

Split Complementary

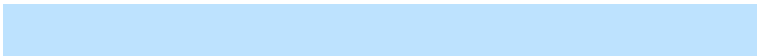
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.5967, 72.2817, 98.6831



66.9791, 72.2817, 56.8760



66.0121, 72.2817, 104.5817

Square

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



66.9791, 72.2817, 56.8760



60.5845, 72.2817, 83.7829



70.4534, 72.2817, 105.5010



77.5131, 72.2817, 73.8317

Rectangle

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



66.9791, 72.2817, 56.8760



61.3812, 72.2817, 67.5166



70.4534, 72.2817, 105.5010



76.5820, 72.2817, 91.0603

Sweetspot

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



66.9810, 72.2849, 56.8775



91.9909, 97.6679, 96.2080



59.1023, 55.4318, 57.6290



19.6211, 20.8518, 20.3099



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.



66.9810, 72.2849, 56.8775



84.7956, 91.8957, 67.2404



64.1347, 73.2236, 57.2087



15.4170, 16.4480, 15.2667



29.8697, 32.3136, 4.6628



2.2555, 2.4844, 0.3607

Inverse Universe

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



53.1028, 53.7387, 80.9730



63.8671, 63.9294, 103.5812



55.5702, 53.0962, 80.7189



13.7480, 14.2173, 18.1640



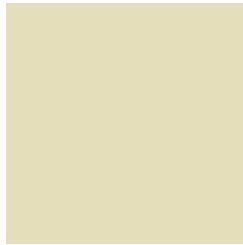
8.4441, 3.9504, 42.7006



0.6766, 0.3970, 3.1729

Previews

White Background



This preview shows how the XYZ color 66.9791, 72.2817, 56.8760 looks on a white background.

Color Contrast Check

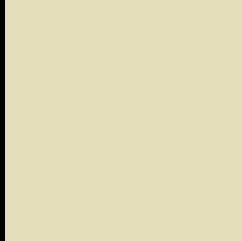
Large Text (above 18pt) WCAG AA × Fail

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 66.9791, 72.2817, 56.8760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

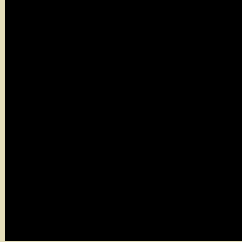
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

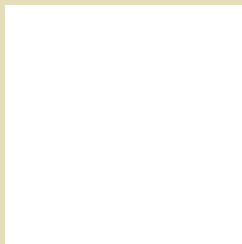
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9791, 72.2817, 56.8760

Background



This preview shows how black text looks on a background with the XYZ color 66.9791, 72.2817, 56.8760.



This preview shows how white text looks on a background with the XYZ color 66.9791, 72.2817,

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

66.9791, 72.2817, 56.8760

Protanopia

67.9544, 72.0128, 56.2172

Deuteranopia

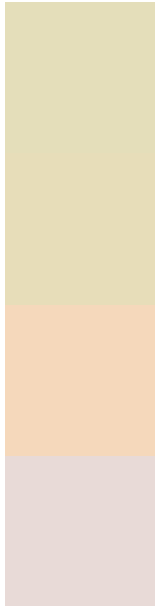
73.7444, 72.2902, 57.6436



Tritanopia

72.7976, 71.9195, 86.3889

Trichromacy



Original Color

66.9791, 72.2817, 56.8760

Protanomaly

67.5684, 72.2046, 56.2746

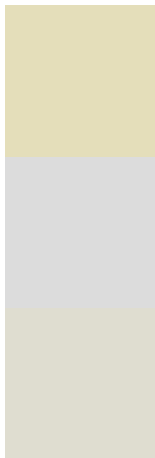
Deuteranomaly

71.1817, 72.1121, 57.1811

Tritanomaly

70.6159, 72.2049, 74.5051

Monochromacy



Original Color

66.9791, 72.2817, 56.8760

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.6730, 71.9549, 69.9965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9791, 72.2817, 56.8760 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, 222, 186)` looks like.

```
.text, #text, p{  
    color:rgb(228, 222, 186)  
}
```

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, 222, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 222, 186) }
```

Border

The CSS property to change the border of an element to XYZ 66.9791, 72.2817, 56.8760 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, 222, 186) }
```


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

```
.border{ border-color:rgb(228, 222, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 222, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 222, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 222, 186);  
box-shadow:4px 4px 4px 4px rgb(228, 222,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9791, 72.2817, 56.8760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 222, 186) }
```

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

```
.background{ background-color: rgb(228,  
222, 186) }
```

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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