

Converting Colors

XYZ(68.8437, 70.5357, 80.3354)

Have a look what the booklet for
XYZ(68.8437, 70.5357, 80.3354)
contains.

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Color

**XYZ(68.7509, 70.3408,
80.4746)**

Conversions

Conversions Part 1

Format	Color
Hex	E0D8E0
RGB	224, 216, 224
RGB Percent	88%, 85%, 88%
CMY	0.1216, 0.1529, 0.1216
CMYK	0.00, 0.04, 0.00, 0.12
HSL	300°, 11%, 86%
HSV	300°, 4%, 88%
XYZ	68.7509, 70.3408, 80.4746
YIQ	219.3040, 2.2000, 4.1840

Conversions

Conversions Part 2

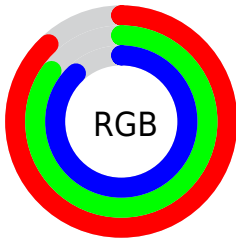
Format	Color
R_{YB}	224, 216, 224
Decimal	14735584
CIE Lab	87.16, 4.16, -2.96
CIE LCh	87, 5.105, 324.583
Yxy	70.3408, 0.3131, 0.3204
Android (android.graphics.Color)	4292925664 (0xFFE0D8E0)
YUV	219.3040, 2.3151, 4.1184
Hunter-Lab	83.8694, -0.4484, 1.8185

Details

The XYZ color **68.7509, 70.3408, 80.4746** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.3719, 72.8700, 75.4838**, and the grayscale version is **67.5280, 71.0447, 77.3677**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2685, 36.7893, 42.7256** is the 20% darker color. If you saturate the color by 10%, you get **63.3997, 59.6374, 78.6915**, and if you desaturate by 10%, it is **74.8885, 82.6148, 82.5216**.

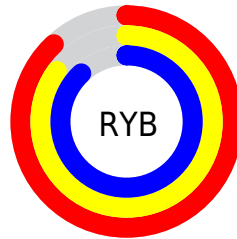
Distribution



Red (88%)

Green (85%)

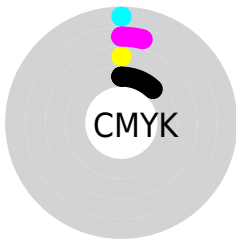
Blue (88%)



Red (88%)

Yellow (85%)

Blue (88%)

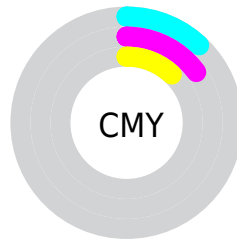


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (12%)



Cyan (12%)

Magenta (15%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7509, 70.3408, 80.4746 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 68.7509, 70.3408, 80.4746 by changing the saturation by 10% instead.

■ 68.7509, 70.3408,
80.4746

■ 68.7509, 70.3408,
80.4746

445.4870,
461.7457, 516.2797

■ 50.7848, 51.8044,
59.5805

116.4617,
119.6946, 135.8502

■ 36.2577, 36.8492,
42.6575

146.9372,
151.2809, 171.1688

■ 24.8043, 25.0908,
29.2871

182.3130,
187.9859, 212.1327

■ 16.0593, 16.1447,
19.0507

222.9548,
230.1940, 259.1603

■ 9.6572, 9.6266,
11.5297

269.2277,
278.2896, 312.6703

■ 5.2328, 5.1521,
6.3057

321.4971,

■ 2.4206, 2.3368,

332.6572, 373.0812

2.9601

380.1285,
393.6811, 440.8115

■ 0.8554, 0.7931,
1.0743

■ 0.0000, 0.0000,
0.0000

■ 68.7509, 70.3408,
80.4746

■ 68.7509, 70.3408,
80.4746

■ 63.3997, 59.6374,
78.6915

■ 74.8885, 82.6148,
82.5216

■ 58.7973, 50.4327,
77.1571

■ 79.9558, 92.7495,
84.2109

■ 54.9121, 42.6625,
75.8618

■ 79.9559, 92.7495,
84.2112

■ 51.7082, 36.2547,
74.7936

■ 79.9559, 92.7495,
84.2115

49.1462, 31.1309,
73.9393

79.9560, 92.7496,
84.2117

47.1830, 27.2044,
73.2847

79.9560, 92.7496,
84.2120

45.7698, 24.3783,
72.8134

79.9561, 92.7496,
84.2122

44.8508, 22.5403,
72.5068

79.9561, 92.7496,
84.2125

44.3578, 21.5543,
72.3422

79.9562, 92.7496,
84.2128

Harmonies

Analogous

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



67.8193, 70.3408, 82.7436



68.7509, 70.3408, 80.4746



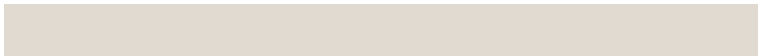
69.1754, 70.3408, 77.2134

Triad

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



68.7509, 70.3408, 80.4746



67.0744, 70.3408, 70.2101



64.7848, 70.3408, 79.3654

Complementary

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



68.7509, 70.3408, 80.4746



67.3719, 72.8700, 75.4838

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.



64.5907, 70.3408, 75.9684



68.7509, 70.3408, 80.4746



65.9035, 70.3408, 70.7477

Square

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



68.7509, 70.3408, 80.4746



68.2001, 70.3408, 71.3398



64.9979, 70.3408, 72.8309



65.5313, 70.3408, 82.0899

Rectangle

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



68.7509, 70.3408, 80.4746



69.1100, 70.3408, 74.9408



64.9979, 70.3408, 72.8309



64.6531, 70.3408, 78.2616

Sweetspot

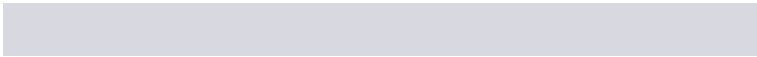
The Sweet Spot groups the original color and five complimentary colors.



68.7529, 70.3438, 80.4761



94.2419, 98.3838, 108.6306



66.3324, 69.0960, 80.3629



20.1802, 21.0752, 23.2543



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.



68.7529, 70.3438, 80.4761



91.8819, 93.6639, 107.8438



68.2169, 70.1294, 77.6534



14.8584, 15.0623, 17.5118



25.7244, 12.3568, 42.0761



1.7831, 0.8565, 2.9165

Inverse Universe

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



68.7529, 70.3438, 80.4761



91.8819, 93.6639, 107.8438



67.8952, 73.0794, 78.2398



14.8584, 15.0623, 17.5118



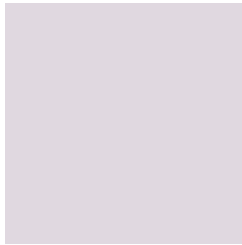
25.7244, 12.3568, 42.0761



1.7831, 0.8565, 2.9165

Previews

White Background



This preview shows how the XYZ color 68.7509, 70.3408, 80.4746 looks on a white background.

Color Contrast Check

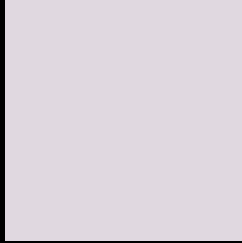
Large Text (above 18pt) WCAG AA × Fail

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 68.7509, 70.3408, 80.4746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

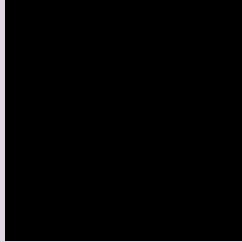
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

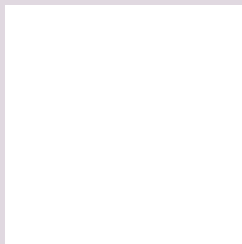
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7509, 70.3408, 80.4746

Background



This preview shows how black text looks on a background with the XYZ color 68.7509, 70.3408, 80.4746.



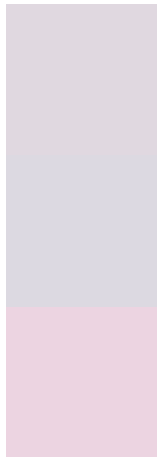
This preview shows how white text looks on a background with the XYZ color 68.7509, 70.3408,

80.4746.

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

68.7509, 70.3408, 80.4746

Protanopia

67.9187, 70.2776, 81.2194

Deuteranopia

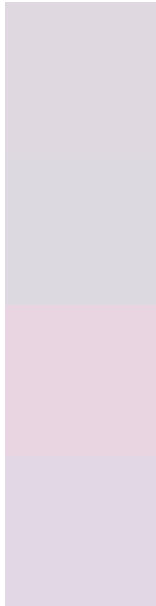
71.7262, 70.3561, 81.0339



Tritanopia

69.9173, 70.4346, 86.2541

Trichromacy



Original Color

68.7509, 70.3408, 80.4746

Protanomaly

68.2223, 70.4341, 81.2336

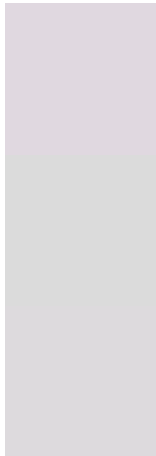
Deuteranomaly

70.6636, 70.1805, 81.0560

Tritanomaly

69.4946, 70.2656, 84.0286

Monochromacy



Original Color

68.7509, 70.3408, 80.4746

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.9413, 70.7354, 78.4790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7509, 70.3408, 80.4746 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(224, 216, 224) looks like.

```
.text, #text, p{  
    color:rgb(224, 216, 224)  
}
```

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(224, 216, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 216, 224) }
```

Border

The CSS property to change the border of an element to XYZ 68.7509, 70.3408, 80.4746 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(224, 216, 224) }
```


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

```
.border{ border-color:rgb(224, 216, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 216, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 216, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 216, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 216,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7509, 70.3408, 80.4746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 216, 224) }
```

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

```
.background{ background-color: rgb(224,  
216, 224) }
```

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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