

Converting Colors

XYZ(68.1187, 66.3510, 76.8045)

Have a look what the booklet for
XYZ(68.1187, 66.3510, 76.8045)
contains.

XYZ(68.2683, 66.4657, 76.9412)	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(68.2683, 66.4657,
76.9412)**

Conversions

Conversions Part 1

Format	Color
Hex	E8CEDC
RGB	232, 206, 220
RGB Percent	91%, 81%, 86%
CMY	0.0902, 0.1921, 0.1372
CMYK	0.00, 0.11, 0.05, 0.09
HSL	328°, 36%, 86%
HSV	328°, 11%, 91%
XYZ	68.2683, 66.4657, 76.9412
YIQ	215.3700, 11.0020, 9.8660

Conversions

Conversions Part 2

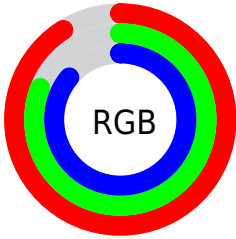
Format	Color
R _Y B	232, 206, 220
Decimal	15257308
CIE Lab	85.23, 11.43, -3.60
CIE LCh	85, 11.982, 342.513
Yxy	66.4657, 0.3225, 0.3140
Android (android.graphics.Color)	4293447388 (0xFFE8CEDC)
YUV	215.3700, 2.2826, 14.5845
Hunter-Lab	81.5265, 6.8002, 1.1132

Details

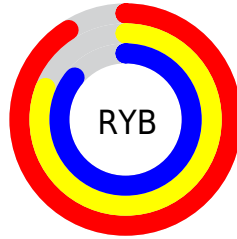
The XYZ color **68.2683, 66.4657, 76.9412** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.9677, 75.8988, 77.4537**, and the grayscale version is **64.8234, 68.1993, 74.2690**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9243, 34.4032, 40.3444** is the 20% darker color. If you saturate the color by 10%, you get **61.7173, 55.5606, 67.9828**, and if you desaturate by 10%, it is **75.7383, 79.0616, 86.6559**.

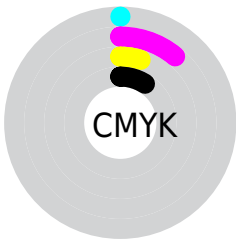
Distribution



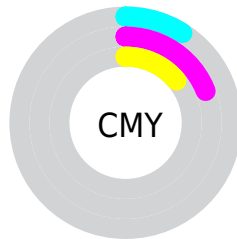
- Red (91%)
- Green (81%)
- Blue (86%)



- Red (91%)
- Yellow (81%)
- Blue (86%)



- Cyan (0%)
- Magenta (11%)
- Yellow (5%)
- Black (9%)



- Cyan (9%)
- Magenta (19%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2683, 66.4657, 76.9412 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 68.2683, 66.4657, 76.9412 by changing the saturation by 10% instead.

68.2683, 66.4657,
76.9412

68.2683, 66.4657,
76.9412

443.8079,
448.0405, 503.9959

50.3905, 48.6505,
56.6933

115.7757,
114.1545, 130.8287

35.9429, 34.3424,
40.3514

146.1360,
144.7969, 165.3055

24.5600, 23.1567,
27.4967

181.3879,
180.4838, 205.3623

15.8765, 14.7093,
17.7109

221.8966,
221.5997, 251.4177

9.5271, 8.6156,
10.5753

268.0276,
268.5290, 303.8902

5.1464, 4.4913,
5.6715

320.1463,

2.3691, 1.9520,

321.6559, 363.1984

2.5808

378.6179,
381.3650, 429.7607

■ 0.8296, 0.5794,
0.8825

■ 0.0000, 0.0000,
0.0000

■ 68.2683, 66.4657,
76.9412

■ 68.2683, 66.4657,
76.9412

■ 61.7173, 55.5606,
67.9828

■ 75.7383, 79.0616,
86.6559

■ 56.0420, 46.2651,
59.7555

■ 84.1571, 93.4079,
97.1425

■ 51.2039, 38.5040,
52.2387

■ 86.6304, 95.7125,
106.1115

■ 47.1593, 32.1929,
45.4090

■ 87.0892, 95.8960,
108.5274

■ 43.8604, 27.2390,
39.2414

■ 41.2539, 23.5388,
33.7087

■ 39.2788, 20.9735,
28.7807

■ 37.8624, 19.4011,
24.4231

■ 36.9749, 18.6343,
21.0192

Harmonies

Analogous

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



66.7560, 66.4657, 83.9211



68.2683, 66.4657, 76.9412



68.3914, 66.4657, 69.1884

Triad

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



68.2683, 66.4657, 76.9412



62.0528, 66.4657, 58.7733



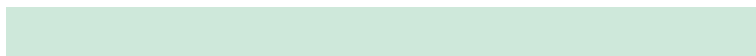
59.4148, 66.4657, 82.9158

Complementary

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



68.2683, 66.4657, 76.9412



66.9677, 75.8988, 77.4537

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.



58.2282, 66.4657, 75.6473



68.2683, 66.4657, 76.9412



59.7218, 66.4657, 61.9304

Square

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



68.2683, 66.4657, 76.9412



64.7503, 66.4657, 59.0651



58.3390, 66.4657, 67.9832



61.6228, 66.4657, 87.5360

Rectangle

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



68.2683, 66.4657, 76.9412



67.6644, 66.4657, 64.6510



58.3390, 66.4657, 67.9832



58.8861, 66.4657, 80.6799

Sweetspot

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



68.2702, 66.4686, 76.9426



92.0945, 94.9904, 105.1357



65.4631, 64.8312, 85.4083



19.5468, 20.0524, 22.2912



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.



68.2702, 66.4686, 76.9426



83.0047, 79.6962, 93.2109



66.6516, 65.8212, 68.4191



14.6998, 14.4971, 16.6197



20.5911, 10.3707, 12.0077



1.5684, 0.7851, 1.1338

Inverse Universe

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



68.2702, 66.4686, 76.9426



83.0047, 79.6962, 93.2109



68.6938, 76.5892, 86.5432



14.6998, 14.4971, 16.6197



20.5911, 10.3707, 12.0077



1.5684, 0.7851, 1.1338

Previews

White Background



This preview shows how the XYZ color 68.2683, 66.4657, 76.9412 looks on a white background.

Color Contrast Check

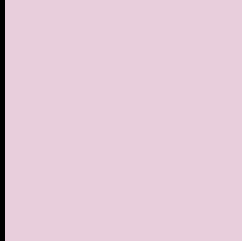
Large Text (above 18pt) WCAG AA × Fail

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 68.2683, 66.4657, 76.9412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

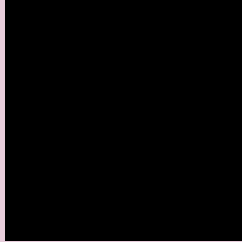
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2683, 66.4657, 76.9412

Background



This preview shows how black text looks on a background with the XYZ color 68.2683, 66.4657, 76.9412.



This preview shows how white text looks on a background with the XYZ color 68.2683, 66.4657,

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

68.2683, 66.4657, 76.9412

Protanopia

64.5943, 66.7108, 79.2840

Deuteranopia

68.1861, 66.7819, 77.0065



Tritanopia

68.5348, 66.5723, 78.3448

Trichromacy



Original Color

68.2683, 66.4657, 76.9412

Protanomaly

66.0502, 66.7393, 78.5080

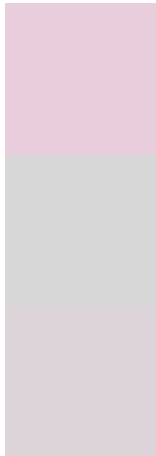
Deuteranomaly

68.1861, 66.7819, 77.0065

Tritanomaly

68.4012, 66.5189, 77.6409

Monochromacy



Original Color

68.2683, 66.4657, 76.9412

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.8867, 67.4689, 75.1958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2683, 66.4657, 76.9412 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(232, 206, 220) looks like.

```
.text, #text, p{  
    color:rgb(232, 206, 220)  
}
```

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(232, 206, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 206, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.2683, 66.4657, 76.9412 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(232, 206, 220) }
```


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

```
.border{ border-color:rgb(232, 206, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 206, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 206, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 206, 220);  
box-shadow:4px 4px 4px 4px rgb(232, 206,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2683, 66.4657, 76.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 206, 220) }
```

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

```
.background{ background-color: rgb(232,  
206, 220) }
```

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