

Converting Colors

XYZ(67.8350, 66.5905, 85.9899)

Have a look what the booklet for
XYZ(67.8350, 66.5905, 85.9899)
contains.

XYZ(67.8618, 66.7852, 85.6581)	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(67.8618, 66.7852,
85.6581)**

Conversions

Conversions Part 1

Format	Color
Hex	E0D0E8
RGB	224, 208, 232
RGB Percent	88%, 82%, 91%
CMY	0.1216, 0.1843, 0.0902
CMYK	0.03, 0.10, 0.00, 0.09
HSL	280°, 34%, 86%
HSV	280°, 10%, 91%
XYZ	67.8618, 66.7852, 85.6581
YIQ	215.5200, 1.8320, 10.8560

Conversions

Conversions Part 2

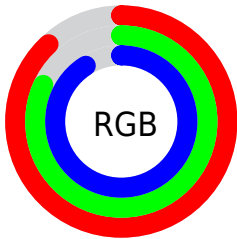
Format	Color
R_{YB}	224, 208, 232
Decimal	14733544
CIE Lab	85.40, 9.84, -9.81
CIE LCh	85, 13.894, 315.088
Yxy	66.7852, 0.3080, 0.3031
Android (android.graphics.Color)	4292923624 (0xFFE0D0E8)
YUV	215.5200, 8.1246, 7.4370
Hunter-Lab	81.7222, 5.2118, -4.9400

Details

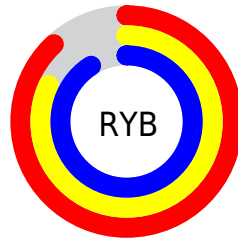
The XYZ color **67.8618, 66.7852, 85.6581** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.5632, 76.8680, 70.9011**, and the grayscale version is **64.8912, 68.2706, 74.3467**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7543, 34.6808, 45.8839** is the 20% darker color. If you saturate the color by 10%, you get **60.2718, 55.0823, 83.8003**, and if you desaturate by 10%, it is **76.3921, 80.2047, 87.7997**.

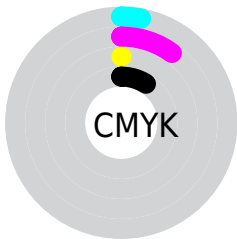
Distribution



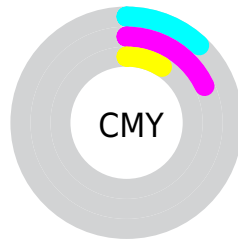
- Red (88%)
- Green (82%)
- Blue (91%)



- Red (88%)
- Yellow (82%)
- Blue (91%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (12%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8618, 66.7852, 85.6581 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 67.8618, 66.7852, 85.6581 by changing the saturation by 10% instead.

67.8618, 66.7852,
85.6581

67.8618, 66.7852,
85.6581

442.3906,
449.1798, 534.0044

50.0586, 48.9101,
63.8320

115.1974,
114.6126, 143.1746

35.6779, 34.5482,
46.0693

145.4605,
145.3336, 179.7021

24.3545, 23.3150,
31.9515

180.6076,
181.1054, 221.9671

15.7230, 14.8263,
21.0599

221.0041,
222.3124, 270.3882

9.4179, 8.6976,
12.9761

267.0153,
269.3389, 325.3840

5.0741, 4.5444,
7.2816

319.0065,

2.3260, 1.9825,

322.5694, 387.3729

3.5577

377.3432,
382.3882, 456.7736

■ 0.8079, 0.5973,
1.3860

■ 0.0000, 0.0000,
0.1308

■ 67.8618, 66.7852,
85.6581

■ 67.8618, 66.7852,
85.6581

■ 60.2718, 55.0823,
83.8003

■ 76.3921, 80.2047,
87.7997

■ 53.5790, 45.0152,
82.2099

■ 85.8919, 95.4002,
90.2321

■ 47.7456, 36.5092,
80.8755

■ 88.7557, 97.1577,
90.4204

■ 42.7284, 29.4803,
79.7832

■ 91.5433, 98.5947,
90.5508

■ 38.4804, 23.8367,
78.9178

■ 91.5657, 98.6063,
90.5519

■ 34.9491, 19.4756,
78.2621

■ 32.0748, 16.2800,
77.7968

■ 29.7864, 14.1103,
77.4986

■ 28.0176, 12.7610,
77.3314

Harmonies

Analogous

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



65.0662, 66.7852, 90.7750



67.8618, 66.7852, 85.6581



69.5088, 66.7852, 77.2712

Triad

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



67.8618, 66.7852, 85.6581



65.0480, 66.7852, 57.2178



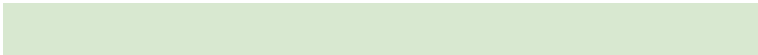
57.8098, 66.7852, 77.3247

Complementary

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



67.8618, 66.7852, 85.6581



68.5632, 76.8680, 70.9011

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.



57.8053, 66.7852, 68.3468



67.8618, 66.7852, 85.6581



61.9145, 66.7852, 57.2295

Square

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



67.8618, 66.7852, 85.6581



67.8481, 66.7852, 61.1175



59.2859, 66.7852, 61.1510



59.2984, 66.7852, 85.7001

Rectangle

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



67.8618, 66.7852, 85.6581



69.7002, 66.7852, 71.1910



59.2859, 66.7852, 61.1510



57.6363, 66.7852, 74.2661

Sweetspot

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



67.8638, 66.7881, 85.6596



91.7258, 94.7353, 108.0590



65.2390, 68.5558, 86.1391



19.4469, 19.9833, 23.0821



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.



67.8638, 66.7881, 85.6596



82.3993, 80.1229, 105.7301



69.8958, 67.8941, 83.1127



14.5038, 14.3620, 18.1520



15.6929, 7.1559, 42.9373



1.2572, 0.5791, 3.1775

Inverse Universe

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



68.2316, 67.2284, 74.3493



82.9411, 80.7617, 89.5127



66.7047, 75.8582, 73.1525



14.5742, 14.4469, 15.9580



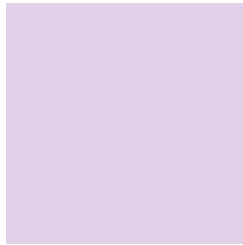
19.2777, 9.8453, 5.0914



1.4664, 0.7443, 0.5968

Previews

White Background



This preview shows how the XYZ color 67.8618, 66.7852, 85.6581 looks on a white background.

Color Contrast Check

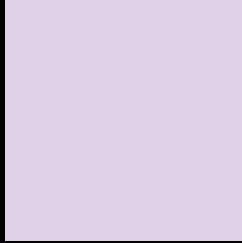
Large Text (above 18pt) WCAG AA × Fail

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 67.8618, 66.7852, 85.6581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

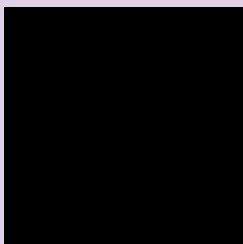
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8618, 66.7852, 85.6581

Background



This preview shows how black text looks on a background with the XYZ color 67.8618, 66.7852, 85.6581.



This preview shows how white text looks on a background with the XYZ color 67.8618, 66.7852,

85.6581.

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

67.8618, 66.7852, 85.6581

Protanopia

65.2587, 66.8764, 87.3108

Deuteranopia

68.2423, 66.6206, 85.6062



Tritanopia

66.9594, 66.7799, 81.3122

Trichromacy



Original Color

67.8618, 66.7852, 85.6581

Protanomaly

66.3211, 67.0707, 86.5412

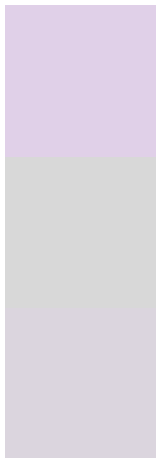
Deuteranomaly

67.9296, 66.4594, 85.5916

Tritanomaly

67.2355, 66.8903, 82.7662

Monochromacy



Original Color

67.8618, 66.7852, 85.6581

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.1925, 67.9225, 78.7289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8618, 66.7852, 85.6581 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, 208, 232)` looks like.

```
.text, #text, p{  
    color:rgb(224, 208, 232)  
}
```

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, 208, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 208, 232) }
```

Border

The CSS property to change the border of an element to XYZ 67.8618, 66.7852, 85.6581 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, 208, 232) }
```


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

```
.border{ border-color:rgb(224, 208, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 208, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 208, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 208, 232);  
box-shadow:4px 4px 4px 4px rgb(224, 208,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8618, 66.7852, 85.6581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 208, 232) }
```

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

```
.background{ background-color: rgb(224,  
208, 232) }
```

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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