

Converting Colors

XYZ(69.8017, 68.2883, 86.1631)

Have a look what the booklet for
XYZ(69.8017, 68.2883, 86.1631)
contains.

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Color

**XYZ(69.6791, 68.0851,
85.8132)**

Conversions

Conversions Part 1

Format	Color
Hex	E5D1E8
RGB	229, 209, 232
RGB Percent	90%, 82%, 91%
CMY	0.1020, 0.1804, 0.0902
CMYK	0.01, 0.10, 0.00, 0.09
HSL	292°, 33%, 86%
HSV	292°, 10%, 91%
XYZ	69.6791, 68.0851, 85.8132
YIQ	217.6020, 4.5370, 11.3930

Conversions

Conversions Part 2

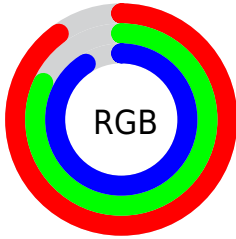
Format	Color
R _Y B	229, 209, 232
Decimal	15061480
CIE Lab	86.05, 10.98, -8.79
CIE LCh	86, 14.064, 321.299
Yxy	68.0851, 0.3117, 0.3045
Android (android.graphics.Color)	4293251560 (0xFFE5D1E8)
YUV	217.6020, 7.0982, 9.9960
Hunter-Lab	82.5137, 6.3362, -3.9013

Details

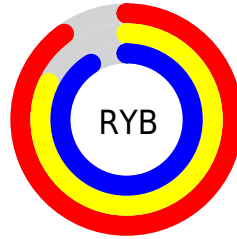
The XYZ color **69.6791, 68.0851, 85.8132** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.5190, 76.3154, 71.4966**, and the grayscale version is **66.3188, 69.7725, 75.9823**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7914, 35.4615, 45.9799** is the 20% darker color. If you saturate the color by 10%, you get **63.4400, 57.0268, 84.0086**, and if you desaturate by 10%, it is **76.7679, 80.8156, 87.8978**.

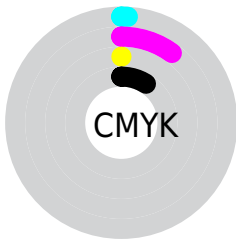
Distribution



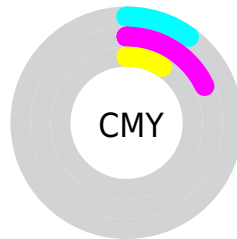
- Red (90%)
- Green (82%)
- Blue (91%)



- Red (90%)
- Yellow (82%)
- Blue (91%)



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (10%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6791, 68.0851, 85.8132 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 69.6791, 68.0851, 85.8132 by changing the saturation by 10% instead.

69.6791, 68.0851,
85.8132

69.6791, 68.0851,
85.8132

448.7065,
453.7975, 534.5297

51.5436, 49.9670,
63.9595

117.7798,
116.4739, 143.3930

36.8642, 35.3872,
46.1719

148.4757,
147.5133, 179.9562

25.2756, 23.9613,
32.0319

184.0891,
183.6286, 222.2597

16.4123, 15.3049,
21.1208

224.9854,
225.2043, 270.7219

9.9091, 9.0336,
13.0202

271.5299,
272.6246, 325.7615

5.4005, 4.7631,
7.3116

324.0881,

2.5213, 2.1090,

326.2739, 387.7970

3.5763

383.0251,
386.5368, 457.2468

■ 0.9060, 0.6697,
1.3959

■ 0.0000, 0.0000,
0.1385

■ 69.6791, 68.0851,
85.8132

■ 69.6791, 68.0851,
85.8132

■ 63.4400, 57.0268,
84.0086

■ 76.7679, 80.8156,
87.8978

■ 58.0087, 47.5605,
82.4677


■ 84.6045, 95.0177,
90.2261


■ 53.3491, 39.6126,
81.1792


■ 85.6125, 95.5373,
90.2732


■ 49.4195, 33.1003,
80.1293


■ 86.6376, 96.0658,
90.3212


 46.1744, 27.9325,
79.3028


 87.6799, 96.6031,
90.3700


 43.5632, 24.0082,
78.6830


 88.7394, 97.1493,
90.4196


 41.5280, 21.2115,
78.2504

 89.8163, 97.7044,
90.4700

 39.9999, 19.4049,
77.9823

 90.9105, 98.2685,
90.5212

 38.8619, 18.3547,
77.8395

 91.5657, 98.6063,
90.5519

Harmonies

Analogous

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



66.9939, 68.0851, 91.9603



69.6791, 68.0851, 85.8132



71.0447, 68.0851, 76.8549

Triad

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



69.6791, 68.0851, 85.8132



65.6564, 68.0851, 57.9122



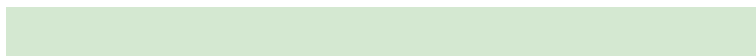
59.1001, 68.0851, 80.7799

Complementary

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



69.6791, 68.0851, 85.8132



67.5190, 76.3154, 71.4966

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.



58.7688, 68.0851, 71.4763



69.6791, 68.0851, 85.8132



62.4842, 68.0851, 58.7729

Square

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



69.6791, 68.0851, 85.8132



68.6721, 68.0851, 61.1067



59.9884, 68.0851, 63.5641



60.9088, 68.0851, 88.8905

Rectangle

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



69.6791, 68.0851, 85.8132



70.9927, 68.0851, 70.7041



59.9884, 68.0851, 63.5641



58.8147, 68.0851, 77.6712

Sweetspot

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



69.6811, 68.0880, 85.8147



92.2917, 95.0270, 108.0855



64.4229, 66.5049, 85.7862



19.6000, 20.0622, 23.0893



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.



69.6811, 68.0880, 85.8147



84.6001, 81.2574, 105.8331



69.4771, 68.1180, 79.7015



14.8005, 14.5149, 18.1659



21.6455, 10.2246, 43.2159



1.6513, 0.7822, 3.1959

Inverse Universe

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



67.9651, 67.5132, 71.7396



82.0613, 80.4098, 84.8795



67.7343, 76.3026, 77.1020



14.4531, 14.3984, 15.3206



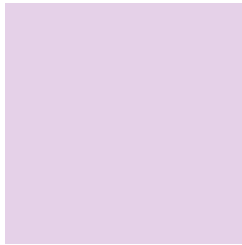
18.6325, 9.5872, 1.6940



1.4017, 0.7184, 0.2558

Previews

White Background



This preview shows how the XYZ color 69.6791, 68.0851, 85.8132 looks on a white background.

Color Contrast Check

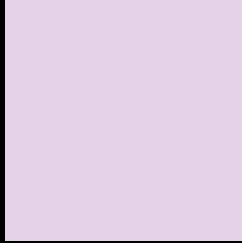
Large Text (above 18pt) WCAG AA × Fail

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 69.6791, 68.0851, 85.8132 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 69.6791, 68.0851, 85.8132

Background



This preview shows how black text looks on a background with the XYZ color 69.6791, 68.0851, 85.8132.



This preview shows how white text looks on a background with the XYZ color 69.6791, 68.0851,

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

69.6791, 68.0851, 85.8132

Protanopia

66.4825, 68.2374, 88.2644

Deuteranopia

69.6791, 68.0851, 85.8132



Tritanopia

68.7690, 68.0782, 81.4674

Trichromacy



Original Color

69.6791, 68.0851, 85.8132

Protanomaly

67.6082, 68.0875, 87.4208

Deuteranomaly

69.6791, 68.0851, 85.8132

Tritanomaly

69.0451, 68.1886, 82.9214

Monochromacy



Original Color

69.6791, 68.0851, 85.8132

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.7439, 69.4582, 79.6483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6791, 68.0851, 85.8132 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(229, 209, 232) looks like.

```
.text, #text, p{  
    color:rgb(229, 209, 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(229, 209, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 209, 232) }
```

Border

The CSS property to change the border of an element to XYZ 69.6791, 68.0851, 85.8132 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(229, 209, 232) }
```


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

```
.border{ border-color:rgb(229, 209, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 209, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 209, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 209, 232); box-shadow:4px 4px 4px 4px rgb(229, 209, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6791, 68.0851, 85.8132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 209, 232) }
```

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

```
.background{ background-color: rgb(229,  
209, 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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