

Converting Colors

XYZ(68.0177, 67.3200, 98.2210)

Have a look what the booklet for
XYZ(68.0177, 67.3200, 98.2210)
contains.

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Color

**XYZ(68.0142, 67.3176,
98.2158)**

Conversions

Conversions Part 1

Format	Color
Hex	D7D2F8
RGB	215, 210, 248
RGB Percent	84%, 82%, 97%
CMY	0.1569, 0.1765, 0.0274
CMYK	0.13, 0.15, 0.00, 0.03
HSL	248°, 73%, 90%
HSV	248°, 15%, 97%
XYZ	68.0142, 67.3176, 98.2158
YIQ	215.8270, -9.2180, 12.8780

Conversions

Conversions Part 2

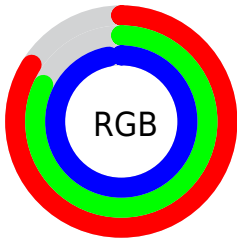
Format	Color
R _Y B	215, 210, 248
Decimal	14144248
CIE Lab	85.66, 9.02, -17.96
CIE LCh	86, 20.096, 296.655
Yxy	67.3176, 0.2912, 0.2882
Android (android.graphics.Color)	4292334328 (0xFFD7D2F8)
YUV	215.8270, 15.8613, -0.7253
Hunter-Lab	82.0473, 4.3872, -13.5408

Details

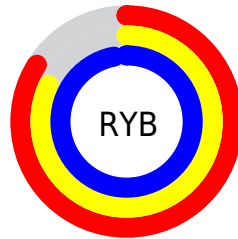
The XYZ color **68.0142, 67.3176, 98.2158** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1648, 90.8444, 74.1801**, and the grayscale version is **65.0542, 68.4421, 74.5335**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9001, 35.0563, 54.7436** is the 20% darker color. If you saturate the color by 10%, you get **56.4461, 52.9596, 96.0552**, and if you desaturate by 10%, it is **81.3679, 84.0080, 100.7346**.

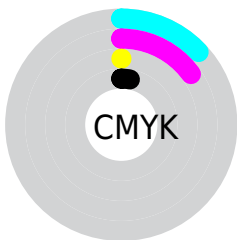
Distribution



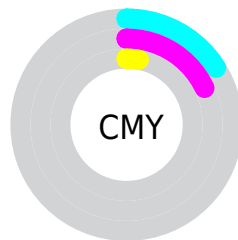
- Red (84%)
- Green (82%)
- Blue (97%)



- Red (84%)
- Yellow (82%)
- Blue (97%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (16%)
- Magenta (18%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0142, 67.3176, 98.2158 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 68.0142, 67.3176, 98.2158 by changing the saturation by 10% instead.

68.0142, 67.3176,
98.2158

68.0142, 67.3176,
98.2158

442.9223,
451.0744, 575.6548

50.1830, 49.3428,
74.2028

115.4143,
115.3754, 160.7335

35.7772, 34.8915,
54.4622

145.7138,
146.2271, 200.0753

24.4315, 23.5793,
38.5756

180.9002,
182.1400, 245.3638

15.7805, 15.0218,
26.1245

221.3388,
223.4983, 297.0174

9.4588, 8.8347,
16.6902

267.3950,
270.6865, 355.4548

5.1011, 4.6335,
9.8542

319.4340,

2.3421, 2.0339,

324.0890, 421.0945

5.1981

377.8213,
384.0902, 494.3550

■ 0.8161, 0.6270,
2.3032

■ 0.0000, 0.0000,
0.7330

■ 68.0142, 67.3176,
98.2158

■ 68.0142, 67.3176,
98.2158

■ 56.4461, 52.9596,
96.0552

■ 81.3679, 84.0080,
100.7346

■ 46.5814, 40.8217,
94.2323

■ 93.9435, 99.5574,
103.0732

■ 38.3410, 30.7953,
92.7313

■ 31.6369, 22.7589,
91.5335

■ 26.3724, 16.5787,
90.6180

■ 22.4399, 12.1043,
89.9617

■ 19.7162, 9.1616,
89.5372

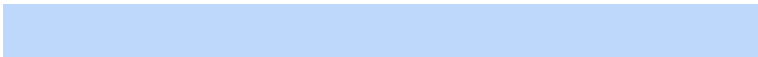
■ 18.0537, 7.5379,
89.3114

■ 17.5585, 7.0944,
89.2519

Harmonies

Analogous

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



63.4711, 67.3176, 101.4550



68.0142, 67.3176, 98.2158



71.6222, 67.3176, 88.0465

Triad

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



68.0142, 67.3176, 98.2158



68.9450, 67.3176, 54.1900



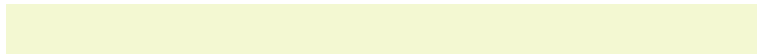
55.5919, 67.3176, 71.8363

Complementary

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



68.0142, 67.3176, 98.2158



82.1648, 90.8444, 74.1801

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.



56.9079, 67.3176, 60.2949



68.0142, 67.3176, 98.2158



64.4983, 67.3176, 50.9008

Square

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



68.0142, 67.3176, 98.2158



72.1774, 67.3176, 62.5594



60.1150, 67.3176, 52.9962



56.4342, 67.3176, 85.1988

Rectangle

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



68.0142, 67.3176, 98.2158



72.9362, 67.3176, 79.2716



60.1150, 67.3176, 52.9962



55.7949, 67.3176, 67.6312

Sweetspot

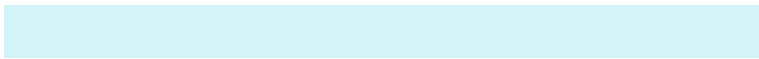
The Sweet Spot groups the original color and five complimentary colors.



68.0163, 67.3204, 98.2173



87.1595, 90.0932, 107.4037



75.7442, 84.9217, 101.2074



18.4269, 18.9968, 22.9455



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.



68.0163, 67.3204, 98.2173



68.9395, 67.3378, 103.9717



73.7381, 70.2701, 98.4851



16.4952, 16.7524, 21.7494



9.5492, 3.8655, 48.2164



0.9485, 0.3910, 4.4687

Inverse Universe

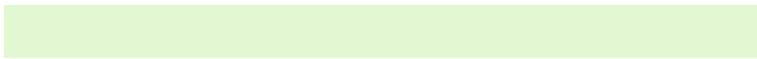
The Inverse Universe completely reimagines the original color for something new.



77.9379, 72.5236, 94.6879



81.1582, 73.7473, 99.5496



76.1188, 87.7276, 73.8972



17.8890, 17.4830, 21.2714



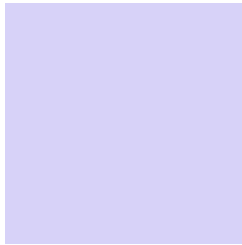
27.6021, 13.4566, 36.2088



2.5829, 1.2569, 3.4929

Previews

White Background



This preview shows how the XYZ color 68.0142, 67.3176, 98.2158 looks on a white background.

Color Contrast Check

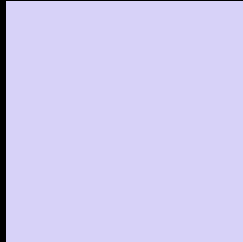
Large Text (above 18pt) WCAG AA × Fail

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 68.0142, 67.3176, 98.2158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

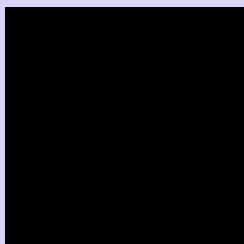
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0142, 67.3176, 98.2158

Background



This preview shows how black text looks on a background with the XYZ color 68.0142, 67.3176, 98.2158.

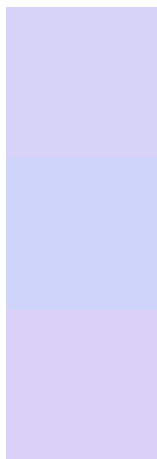


This preview shows how white text looks on a background with the XYZ color 68.0142, 67.3176,

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

68.0142, 67.3176, 98.2158

Protanopia

66.5309, 67.2545, 99.9173

Deuteranopia

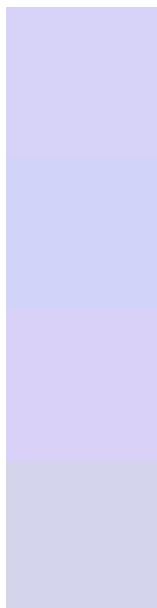
68.9572, 67.4383, 98.1894



Tritanopia

65.2286, 67.2987, 84.4149

Trichromacy



Original Color

68.0142, 67.3176, 98.2158

Protanomaly

66.9715, 67.1297, 99.0501

Deuteranomaly

68.6572, 67.2837, 98.1754

Tritanomaly

66.2701, 67.3475, 89.6273

Monochromacy



Original Color

68.0142, 67.3176, 98.2158

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.3691, 68.2935, 83.0827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0142, 67.3176, 98.2158 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(215, 210, 248)` looks like.

```
.text, #text, p{  
    color:rgb(215, 210, 248)  
}
```

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(215, 210, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 210, 248) }
```

Border

The CSS property to change the border of an element to XYZ 68.0142, 67.3176, 98.2158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

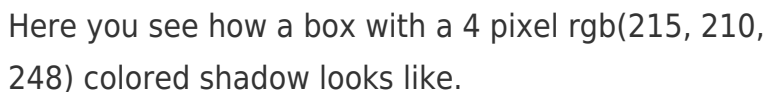
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 210, 248) }
```


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

```
.border{ border-color:rgb(215, 210, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 210, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 210, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 210, 248); box-shadow:4px 4px 4px 4px rgb(215, 210, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0142, 67.3176, 98.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 210, 248) }
```

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

```
.background{ background-color: rgb(215,  
210, 248) }
```

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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