

Converting Colors

XYZ(67.8295, 70.5517, 84.1716)

Have a look what the booklet for
XYZ(67.8295, 70.5517, 84.1716)
contains.

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Color

**XYZ(67.8295, 70.5517,
84.1716)**

Conversions

Conversions Part 1

Format	Color
Hex	D9DAE5
RGB	217, 218, 229
RGB Percent	85%, 85%, 90%
CMY	0.1490, 0.1451, 0.1020
CMYK	0.05, 0.05, 0.00, 0.10
HSL	235°, 19%, 87%
HSV	235°, 5%, 90%
XYZ	67.8295, 70.5517, 84.1716
YIQ	218.9550, -4.1270, 3.2090

Conversions

Conversions Part 2

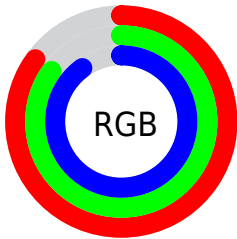
Format	Color
R _{YB}	217, 218, 229
Decimal	14277349
CIE Lab	87.27, 1.70, -5.51
CIE LCh	87, 5.765, 287.171
Yxy	70.5517, 0.3048, 0.3170
Android (android.graphics.Color)	4292467429 (0xFFD9DAE5)
YUV	218.9550, 4.9522, -1.7145
Hunter-Lab	83.9951, -2.8452, -0.6181

Details

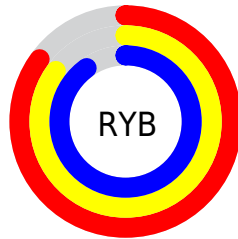
The XYZ color **67.8295, 70.5517, 84.1716** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.5809, 77.1536, 76.7134**, and the grayscale version is **67.2713, 70.7746, 77.0736**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6375, 36.9318, 45.2946** is the 20% darker color. If you saturate the color by 10%, you get **56.3882, 57.0819, 82.1758**, and if you desaturate by 10%, it is **80.9084, 85.8923, 86.4444**.

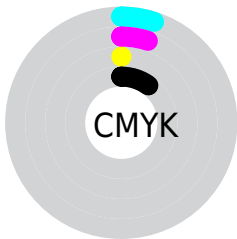
Distribution



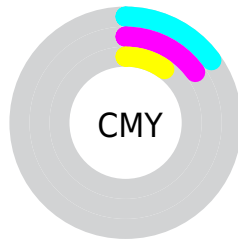
- Red (85%)
- Green (85%)
- Blue (90%)



- Red (85%)
- Yellow (85%)
- Blue (90%)



- Cyan (5%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (15%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8295, 70.5517, 84.1716 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 67.8295, 70.5517, 84.1716 by changing the saturation by 10% instead.

■ 67.8295, 70.5517,
84.1716

■ 67.8295, 70.5517,
84.1716

442.2779,
462.4848, 528.9558

■ 50.0322, 51.9764,
62.6109

115.1514,
119.9952, 141.0791

■ 35.6569, 36.9863,
45.0875

145.4068,
151.6322, 177.2629

■ 24.3382, 25.1969,
31.1829

180.5456,
188.3919, 219.1582

■ 15.7108, 16.2238,
20.4786

220.9331,
230.6587, 267.1836

■ 9.4093, 9.6827,
12.5559

266.9347,
278.8170, 321.7575

■ 5.0683, 5.1891,
6.9963

318.9159,

■ 2.3226, 2.3586,

333.2512, 383.2984

3.3814

377.2418,
394.3456, 452.2251

■ 0.8062, 0.8045,
1.2925

■ 0.0000, 0.0000,
0.0556

■ 67.8295, 70.5517,
84.1716

■ 67.8295, 70.5517,
84.1716

■ 56.3882, 57.0819,
82.1758

■ 80.9084, 85.8923,
86.4444

■ 46.5139, 45.4026,
80.4419

■ 91.1431, 98.4372,
88.3264

■ 38.1402, 35.4410,
78.9604

■ 31.1935, 27.1161,
77.7197

■ 25.5938, 20.3400,
76.7069

■ 21.2533, 15.0166,
75.9082

■ 18.0738, 11.0392,
75.3080

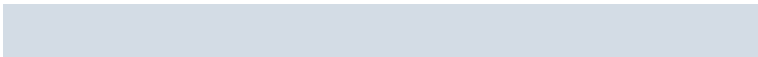
■ 15.9423, 8.2861,
74.8890

■ 14.7227, 6.6135,
74.6304

Harmonies

Analogous

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



66.4804, 70.5517, 84.3272



67.8295, 70.5517, 84.1716



68.9865, 70.5517, 82.0044

Triad

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



67.8295, 70.5517, 84.1716



68.8443, 70.5517, 71.4748



64.5486, 70.5517, 75.1737

Complementary

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



67.8295, 70.5517, 84.1716



72.5809, 77.1536, 76.7134

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.



65.1644, 70.5517, 71.8565



67.8295, 70.5517, 84.1716



67.6375, 70.5517, 69.7698

Square

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



67.8295, 70.5517, 84.1716



69.5778, 70.5517, 74.6366



66.2909, 70.5517, 69.9072



64.5984, 70.5517, 79.0431

Rectangle

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



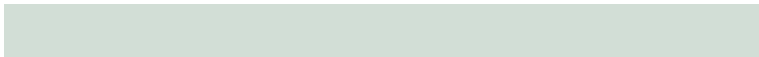
67.8295, 70.5517, 84.1716



69.4877, 70.5517, 79.7506



66.2909, 70.5517, 69.9072



64.6842, 70.5517, 73.9597

Sweetspot

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



67.8315, 70.5547, 84.1731



91.7257, 96.0999, 108.3224



70.6115, 76.3818, 84.2759



19.6679, 20.6102, 23.1915



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.



67.8315, 70.5547, 84.1731



85.3327, 88.5914, 107.2101



69.0197, 70.7820, 84.1544



14.4080, 14.9371, 18.2681



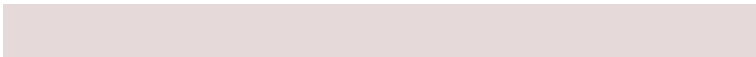
8.2560, 3.5742, 42.6379



0.6438, 0.3316, 3.1620

Inverse Universe

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



69.7824, 71.3470, 76.4267



88.1860, 89.7534, 95.8795



71.3473, 76.9288, 76.7350



14.9401, 15.1542, 16.1552



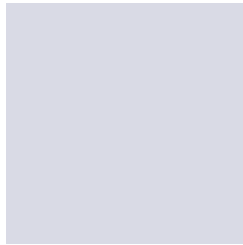
18.5608, 9.5585, 1.3161



1.3886, 0.7132, 0.1870

Previews

White Background



This preview shows how the XYZ color 67.8295, 70.5517, 84.1716 looks on a white background.

Color Contrast Check

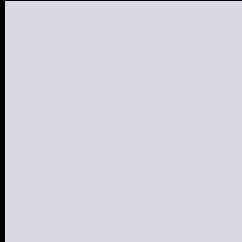
Large Text (above 18pt) WCAG AA × Fail

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 67.8295, 70.5517, 84.1716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

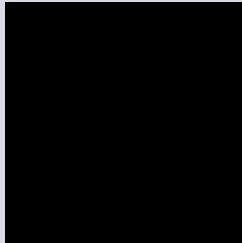
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

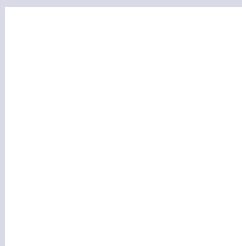
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8295, 70.5517, 84.1716

Background



This preview shows how black text looks on a background with the XYZ color 67.8295, 70.5517, 84.1716.

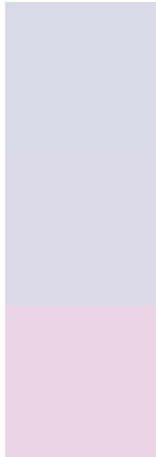


This preview shows how white text looks on a background with the XYZ color 67.8295, 70.5517,

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

67.8295, 70.5517, 84.1716

Protanopia

68.1691, 70.3429, 84.1134

Deuteranopia

71.7581, 70.2926, 84.6487



Tritanopia

68.5776, 70.4716, 87.8299

Trichromacy



Original Color

67.8295, 70.5517, 84.1716

Protanomaly

67.8692, 70.1883, 84.0993

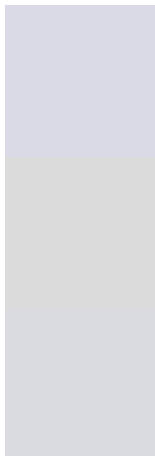
Deuteranomaly

70.3244, 70.3003, 84.7257

Tritanomaly

68.2918, 70.3573, 86.3249

Monochromacy



Original Color

67.8295, 70.5517, 84.1716

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.5642, 70.8962, 79.9354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8295, 70.5517, 84.1716 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(217, 218, 229) looks like.

```
.text, #text, p{  
    color:rgb(217, 218, 229)  
}
```

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(217, 218, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 218, 229) }
```

Border

The CSS property to change the border of an element to XYZ 67.8295, 70.5517, 84.1716 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(217, 218, 229) }
```


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

```
.border{ border-color:rgb(217, 218, 229) }
```

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

Here you see how a box with a 4 pixel rgb(217, 218, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 218, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 218, 229);  
box-shadow:4px 4px 4px 4px rgb(217, 218,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8295, 70.5517, 84.1716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 218, 229) }
```

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

```
.background{ background-color: rgb(217,  
218, 229) }
```

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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