

Converting Colors

XYZ(68.4292, 69.5778, 83.5722)

Have a look what the booklet for
XYZ(68.4292, 69.5778, 83.5722)
contains.

XYZ(68.4282, 69.7319, 83.2518)	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(68.4282, 69.7319,
83.2518)**

Conversions

Conversions Part 1

Format	Color
Hex	DED7E4
RGB	222, 215, 228
RGB Percent	87%, 84%, 89%
CMY	0.1294, 0.1568, 0.1059
CMYK	0.03, 0.06, 0.00, 0.11
HSL	272°, 19%, 87%
HSV	272°, 6%, 89%
XYZ	68.4282, 69.7319, 83.2518
YIQ	218.5750, -0.0010, 5.5270

Conversions

Conversions Part 2

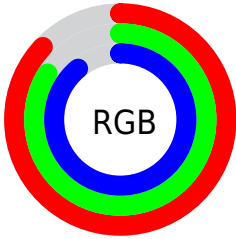
Format	Color
R _{YB}	222, 215, 228
Decimal	14604260
CIE Lab	86.87, 4.74, -5.53
CIE LCh	87, 7.286, 310.625
Yxy	69.7319, 0.3091, 0.3149
Android (android.graphics.Color)	4292794340 (0xFFDED7E4)
YUV	218.5750, 4.6465, 3.0037
Hunter-Lab	83.5056, 0.1359, -0.6558

Details

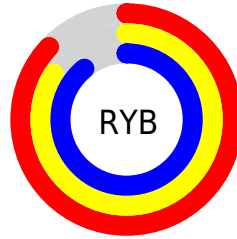
The XYZ color **68.4282, 69.7319, 83.2518** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.8305, 75.7671, 75.2375**, and the grayscale version is **67.0082, 70.4978, 76.7722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0500, 36.3742, 44.6561** is the 20% darker color. If you saturate the color by 10%, you get **59.8989, 57.3101, 81.3048**, and if you desaturate by 10%, it is **77.9719, 83.8815, 85.4810**.

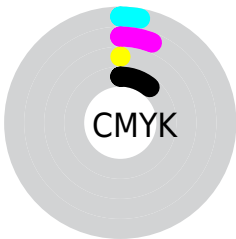
Distribution



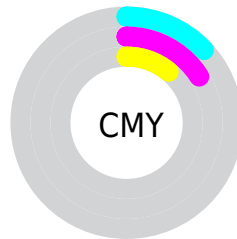
- Red (87%)
- Green (84%)
- Blue (89%)



- Red (87%)
- Yellow (84%)
- Blue (89%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (13%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4282, 69.7319, 83.2518 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 68.4282, 69.7319, 83.2518 by changing the saturation by 10% instead.

■ 68.4282, 69.7319,
83.2518

■ 68.4282, 69.7319,
83.2518

444.3646,
459.6081, 525.8183

■ 50.5211, 51.3080,
61.8561

116.0031,
118.8263, 139.7805

■ 36.0471, 36.4538,
44.4814

146.4015,
150.2657, 175.7505

■ 24.6409, 24.7849,
30.7092

181.6945,
186.8123, 217.4157

■ 15.9370, 15.9168,
20.1209

222.2474,
228.8505, 265.1946

■ 9.5701, 9.4653,
12.2980

268.4255,
276.7649, 319.5058

■ 5.1750, 5.0459,
6.8220

320.5941,

■ 2.3861, 2.2742,

330.9396, 380.7678

3.2743

379.1187,
391.7592, 449.3991

■ 0.8382, 0.7600,
1.2363

■ 0.0000, 0.0000,
0.0087

■ 68.4282, 69.7319,
83.2518

■ 68.4282, 69.7319,
83.2518

■ 59.8989, 57.3101,
81.3048

■ 77.9719, 83.8815,
85.4810

■ 52.3410, 46.5389,
79.6240

■ 86.7444, 96.1857,
87.3936

■ 45.7173, 37.3480,
78.1991

■ 90.4831, 98.1131,
87.5686

■ 39.9855, 29.6589,
77.0171

■ 91.0038, 98.3815,
87.5929

■ 35.0999, 23.3859,
76.0638

■ 31.0101, 18.4345,
75.3236

■ 27.6598, 14.6982,
74.7790

■ 24.9838, 12.0530,
74.4095

■ 22.9025, 10.3469,
74.1899

Harmonies

Analogous

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



66.8823, 69.7319, 85.4991



68.4282, 69.7319, 83.2518



69.4083, 69.7319, 79.0729

Triad

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



68.4282, 69.7319, 83.2518



67.3679, 69.7319, 67.4367



63.1185, 69.7319, 77.6645

Complementary

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



68.4282, 69.7319, 83.2518



69.8305, 75.7671, 75.2375

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.



63.2434, 69.7319, 72.8641



68.4282, 69.7319, 83.2518



65.6775, 69.7319, 67.0959

Square

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



68.4282, 69.7319, 83.2518



68.7889, 69.7319, 69.9953



64.1735, 69.7319, 69.0434



63.8291, 69.7319, 82.1830

Rectangle

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



68.4282, 69.7319, 83.2518



69.5991, 69.7319, 75.8242



64.1735, 69.7319, 69.0434



63.0645, 69.7319, 76.0283

Sweetspot

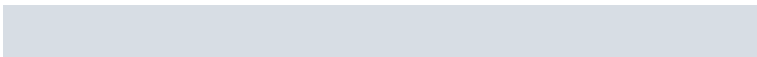
The Sweet Spot groups the original color and five complimentary colors.



68.4302, 69.7349, 83.2533



92.5836, 96.3453, 108.3246



67.9046, 71.7993, 83.6795



19.8426, 20.6601, 23.1919



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.



68.4302, 69.7349, 83.2533



86.6506, 87.6057, 106.9504



70.2408, 70.6752, 83.0245



14.6843, 14.7996, 18.2270



12.9198, 5.7263, 42.8075



1.0617, 0.4783, 3.1683

Inverse Universe

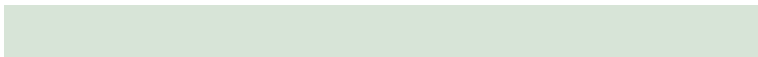
The Inverse Universe completely reimagines the original color for something new.



69.3489, 70.3185, 78.3279



88.1088, 88.5317, 99.1438



68.0918, 74.8643, 75.4472



14.9513, 14.9692, 16.7985



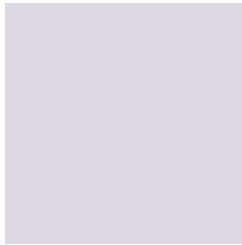
20.0136, 10.1396, 8.9664



1.5254, 0.7679, 0.9074

Previews

White Background



This preview shows how the XYZ color 68.4282, 69.7319, 83.2518 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 68.4282, 69.7319, 83.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

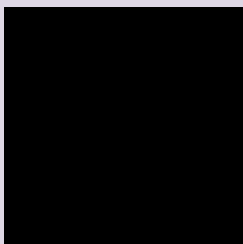
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4282, 69.7319, 83.2518

Background



This preview shows how black text looks on a background with the XYZ color 68.4282, 69.7319, 83.2518.

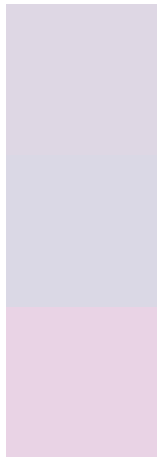


This preview shows how white text looks on a background with the XYZ color 68.4282, 69.7319,

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

68.4282, 69.7319, 83.2518

Protanopia

67.6122, 69.6743, 84.0137

Deuteranopia

71.0414, 69.5693, 83.8127



Tritanopia

68.9018, 69.5506, 85.3944

Trichromacy



Original Color

68.4282, 69.7319, 83.2518

Protanomaly

67.9121, 69.8289, 84.0277

Deuteranomaly

69.9994, 69.4021, 83.8353

Tritanomaly

68.7609, 69.4943, 84.6526

Monochromacy



Original Color

68.4282, 69.7319, 83.2518

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.7714, 70.6324, 79.1687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4282, 69.7319, 83.2518 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(222, 215, 228) looks like.

```
.text, #text, p{  
    color:rgb(222, 215, 228)  
}
```

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(222, 215, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 215, 228) }
```

Border

The CSS property to change the border of an element to XYZ 68.4282, 69.7319, 83.2518 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(222, 215, 228) }
```


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

```
.border{ border-color:rgb(222, 215, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 215, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 215, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 215, 228);  
box-shadow:4px 4px 4px 4px rgb(222, 215,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4282, 69.7319, 83.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 215, 228) }
```

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

```
.background{ background-color: rgb(222,  
215, 228) }
```

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