

Converting Colors

XYZ(67.9520, 69.7040, 80.6785)

Have a look what the booklet for
XYZ(67.9520, 69.7040, 80.6785)
contains.

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Color

**XYZ(67.8792, 69.5123,
80.3606)**

Conversions

Conversions Part 1

Format	Color
Hex	DED7E0
RGB	222, 215, 224
RGB Percent	87%, 84%, 88%
CMY	0.1294, 0.1568, 0.1216
CMYK	0.01, 0.04, 0.00, 0.12
HSL	287°, 13%, 86%
HSV	287°, 4%, 88%
XYZ	67.8792, 69.5123, 80.3606
YIQ	218.1190, 1.2830, 4.2830

Conversions

Conversions Part 2

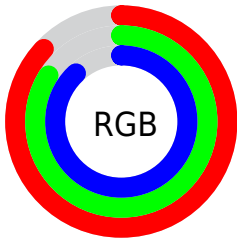
Format	Color
R _Y B	222, 215, 224
Decimal	14604256
CIE Lab	86.76, 4.01, -3.57
CIE LCh	87, 5.370, 318.276
Yxy	69.5123, 0.3117, 0.3192
Android (android.graphics.Color)	4292794336 (0xFFDED7E0)
YUV	218.1190, 2.8993, 3.4036
Hunter-Lab	83.3740, -0.5783, 1.2148

Details

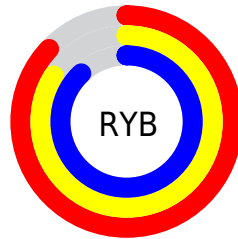
The XYZ color **67.8792, 69.5123, 80.3606** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.5393, 72.9712, 74.8187**, and the grayscale version is **66.7044, 70.1782, 76.4240**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6686, 36.2217, 42.6477** is the 20% darker color. If you saturate the color by 10%, you get **61.0593, 58.1025, 78.5188**, and if you desaturate by 10%, it is **75.5291, 82.5131, 82.4679**.

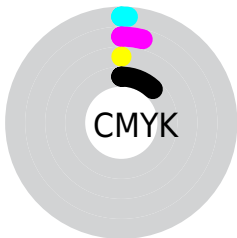
Distribution



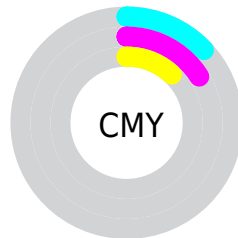
- Red (87%)
- Green (84%)
- Blue (88%)



- Red (87%)
- Yellow (84%)
- Blue (88%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)



- Cyan (13%)
- Magenta (16%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8792, 69.5123, 80.3606 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 67.8792, 69.5123, 80.3606 by changing the saturation by 10% instead.

67.8792, 69.5123,
80.3606

67.8792, 69.5123,
80.3606

442.4513,
458.8357, 515.8860

50.0728, 51.1290,
59.4872

115.2222,
118.5130, 135.6886

35.6893, 36.3113,
42.5829

145.4894,
149.8992, 170.9803

24.3633, 24.6747,
29.2290

180.6410,
186.3886, 211.9151

15.7295, 15.8349,
19.0070

221.0423,
228.3654, 258.9117

9.4226, 9.4074,
11.4985

267.0586,
276.2142, 312.3885

5.0771, 5.0078,
6.2848

319.0553,

2.3278, 2.2519,

330.3192, 372.7642

2.9475

377.3978,
391.0649, 440.4572

■ 0.8088, 0.7481,
1.0679

■ 0.0000, 0.0000,
0.0000

■ 67.8792, 69.5123,
80.3606

■ 67.8792, 69.5123,
80.3606

■ 61.0593, 58.1025,
78.5188

■ 75.5291, 82.5131,
82.4679

■ 55.0315, 48.2116,
76.9273

■ 82.4807, 94.0512,
84.3285

■ 49.7637, 39.7749,
75.5765

■ 84.1199, 94.8962,
84.4052

■ 45.2193, 32.7199,
74.4543

■ 85.8053, 95.7650,
84.4841

■ 41.3585, 26.9676,
73.5475

■ 87.5372, 96.6578,
84.5652

■ 38.1374, 22.4307,
72.8415

■ 89.3160, 97.5748,
84.6484

■ 35.5069, 19.0116,
72.3202

■ 90.4547, 98.1619,
84.7017

■ 33.4100, 16.5969,
71.9647

■ 31.7775, 15.0490,
71.7519

Harmonies

Analogous

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



66.8258, 69.5123, 82.4121



67.8792, 69.5123, 80.3606



68.4504, 69.5123, 77.0942

Triad

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



67.8792, 69.5123, 80.3606



66.5589, 69.5123, 69.1464



63.8136, 69.5123, 77.8659

Complementary

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



67.8792, 69.5123, 80.3606



67.5393, 72.9712, 74.8187

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.



63.7442, 69.5123, 74.2972



67.8792, 69.5123, 80.3606



65.3186, 69.5123, 69.3382

Square

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



67.8792, 69.5123, 80.3606



67.6817, 69.5123, 70.6658



64.2920, 69.5123, 71.1984



64.4828, 69.5123, 80.9408

Rectangle

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



67.8792, 69.5123, 80.3606



68.4761, 69.5123, 74.7008



64.2920, 69.5123, 71.1984



63.7197, 69.5123, 76.6820

Sweetspot

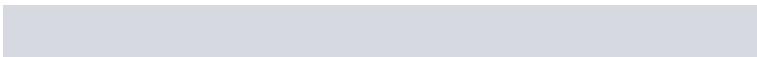
The Sweet Spot groups the original color and five complimentary colors.



67.8812, 69.5153, 80.3621



94.0336, 98.2764, 108.6209



66.3204, 69.5093, 80.4432



20.1378, 21.0534, 23.2523



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.



67.8812, 69.5153, 80.3621



90.0815, 91.5996, 107.5404



68.1743, 69.7037, 78.6892



14.5534, 14.7334, 17.4645



18.1211, 8.4371, 41.7218



1.3304, 0.6231, 2.8954

Inverse Universe

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



67.5677, 69.4611, 75.4953



89.5609, 91.5109, 99.3968



67.2590, 72.7908, 76.4267



14.4589, 14.7174, 15.9788



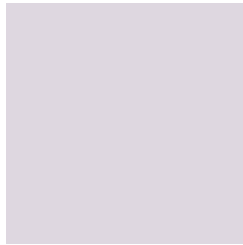
18.2613, 9.3715, 2.7758



1.2993, 0.6630, 0.3692

Previews

White Background



This preview shows how the XYZ color 67.8792, 69.5123, 80.3606 looks on a white background.

Color Contrast Check

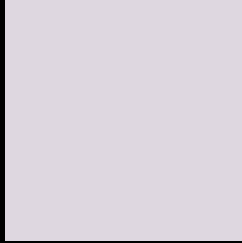
Large Text (above 18pt) WCAG AA × Fail

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 67.8792, 69.5123, 80.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

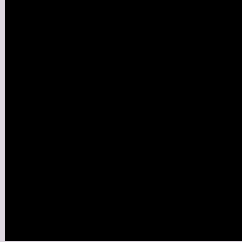
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

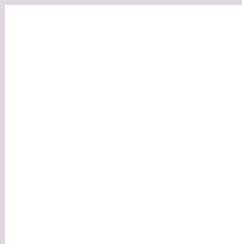
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8792, 69.5123, 80.3606

Background



This preview shows how black text looks on a background with the XYZ color 67.8792, 69.5123, 80.3606.

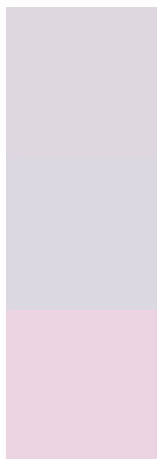


This preview shows how white text looks on a background with the XYZ color 67.8792, 69.5123,

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

67.8792, 69.5123, 80.3606

Protanopia

67.3599, 69.6080, 81.1196

Deuteranopia

71.1458, 69.6869, 80.9353



Tritanopia

68.9018, 69.5506, 85.3944

Trichromacy



Original Color

67.8792, 69.5123, 80.3606

Protanomaly

67.6617, 69.7636, 81.1337

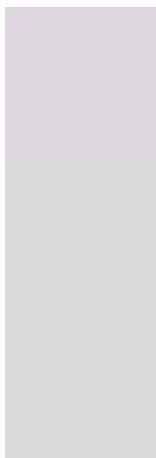
Deuteranomaly

69.7672, 69.3462, 80.9422

Tritanomaly

68.4816, 69.3825, 83.1816

Monochromacy



Original Color

67.8792, 69.5123, 80.3606

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.9445, 69.8531, 77.6648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8792, 69.5123, 80.3606 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, 224) looks like.

```
.text, #text, p{  
    color:rgb(222, 215, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 215, 224) }
```

Border

The CSS property to change the border of an element to XYZ 67.8792, 69.5123, 80.3606 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, 224) }
```


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

```
.border{ border-color:rgb(222, 215, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 215, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 215, 224);  
box-shadow:4px 4px 4px 4px rgb(222, 215,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8792, 69.5123, 80.3606 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, 224) }
```

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

```
.background{ background-color: rgb(222,  
215, 224) }
```

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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