

Converting Colors

XYZ(69.5947, 70.6222, 80.6060)

Have a look what the booklet for
XYZ(69.5947, 70.6222, 80.6060)
contains.

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Color

**XYZ(69.6890, 70.8244,
80.5185)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D8E0
RGB	227, 216, 224
RGB Percent	89%, 85%, 88%
CMY	0.1098, 0.1529, 0.1216
CMYK	0.00, 0.05, 0.01, 0.11
HSL	316°, 16%, 87%
HSV	316°, 5%, 89%
XYZ	69.6890, 70.8244, 80.5185
YIQ	220.2010, 3.9880, 4.8200

Conversions

Conversions Part 2

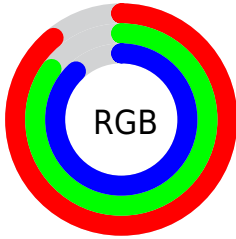
Format	Color
R _Y B	227, 216, 224
Decimal	14932192
CIE Lab	87.40, 5.18, -2.58
CIE LCh	87, 5.785, 333.464
Yxy	70.8244, 0.3153, 0.3204
Android (android.graphics.Color)	4293122272 (0xFFE3D8E0)
YUV	220.2010, 1.8729, 5.9627
Hunter-Lab	84.1572, 0.5373, 2.1836

Details

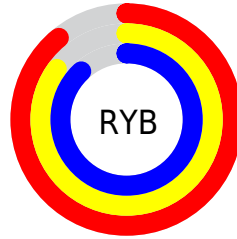
The XYZ color **69.6890, 70.8244, 80.5185** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.5769, 74.6536, 77.8167**, and the grayscale version is **68.1549, 71.7043, 78.0860**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9196, 37.1250, 42.7561** is the 20% darker color. If you saturate the color by 10%, you get **63.4463, 59.6580, 74.3694**, and if you desaturate by 10%, it is **76.7697, 83.6159, 87.0997**.

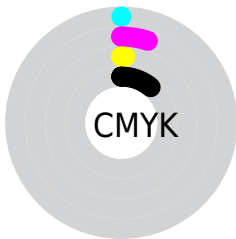
Distribution



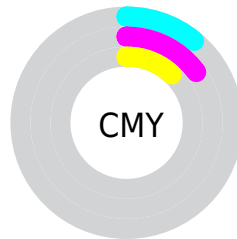
- Red (89%)
- Green (85%)
- Blue (88%)



- Red (89%)
- Yellow (85%)
- Blue (88%)



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6890, 70.8244, 80.5185 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 69.6890, 70.8244, 80.5185 by changing the saturation by 10% instead.

69.6890, 70.8244,
80.5185

69.6890, 70.8244,
80.5185

448.7407,
463.4393, 516.4313

51.5517, 52.1989,
59.6164

117.7938,
120.3837, 135.9124

36.8707, 37.1636,
42.6863

148.4921,
152.0862, 171.2414

25.2806, 25.3342,
29.3095

184.1080,
188.9166, 212.2164

16.4161, 16.3262,
19.0675

225.0070,
231.2591, 259.2561

9.9118, 9.7553,
11.5417

271.5545,
279.4983, 312.7788

5.4023, 5.2370,
6.3137

324.1156,

2.5224, 2.3870,

334.0185, 373.2032

2.9649

383.0560,
395.2040, 440.9479

■ 0.9065, 0.8192,
1.0767

■ 0.0000, 0.0000,
0.0000

■ 69.6890, 70.8244,
80.5185

■ 69.6890, 70.8244,
80.5185

■ 63.4463, 59.6580,
74.3694

■ 76.7697, 83.6159,
87.0997

■ 58.0026, 50.0420,
68.6350

■ 82.6359, 93.9299,
93.4277

■ 53.3245, 41.9093,
63.3037

■ 83.5536, 94.2970,
98.2602

■ 49.3740, 35.1844,
58.3610

■ 84.5028, 94.6767,
103.2589

■ 46.1097, 29.7852,
53.7915

■ 85.4839, 95.0691,
108.4252

■ 43.4861, 25.6209,
49.5784

■ 85.4891, 95.0712,
108.4526

■ 41.4518, 22.5895,
45.7028

■ 39.9472, 20.5722,
42.1430

■ 38.8993, 19.4239,
38.8730

Harmonies

Analogous

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



68.7723, 70.8244, 83.5496



69.6890, 70.8244, 80.5185



69.9671, 70.8244, 76.6630

Triad

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



69.6890, 70.8244, 80.5185



67.1582, 70.8244, 69.8623



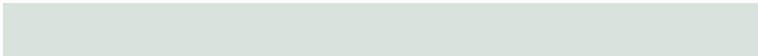
65.1533, 70.8244, 81.3299

Complementary

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



69.6890, 70.8244, 80.5185



68.5769, 74.6536, 77.8167

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.



64.7337, 70.8244, 77.5703



69.6890, 70.8244, 80.5185



65.8813, 70.8244, 71.0209

Square

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



69.6890, 70.8244, 80.5185



68.4944, 70.8244, 70.5924



64.9984, 70.8244, 73.8102



66.1522, 70.8244, 84.0291

Rectangle

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



69.6890, 70.8244, 80.5185



69.7498, 70.8244, 74.1649



64.9984, 70.8244, 73.8102



64.9404, 70.8244, 80.1438

Sweetspot

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



69.6910, 70.8275, 80.5200



94.1301, 98.3391, 108.0418



67.6172, 69.7109, 82.5660



20.1574, 21.0661, 23.1345



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.



69.6910, 70.8275, 80.5200



89.6970, 90.3577, 103.8361



68.9660, 70.5375, 76.7023



15.2215, 15.2668, 17.6373



22.4909, 11.1306, 22.0118



1.7005, 0.8379, 1.8294

Inverse Universe

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



69.6910, 70.8275, 80.5200



89.6970, 90.3577, 103.8361



69.3037, 74.9443, 81.6443



15.2215, 15.2668, 17.6373



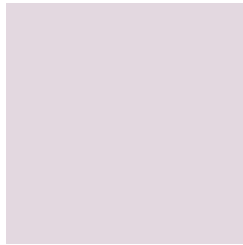
22.4909, 11.1306, 22.0118



1.7005, 0.8379, 1.8294

Previews

White Background



This preview shows how the XYZ color 69.6890, 70.8244, 80.5185 looks on a white background.

Color Contrast Check

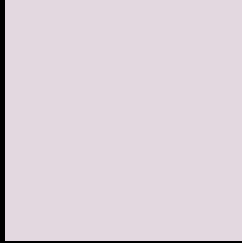
Large Text (above 18pt) WCAG AA × Fail

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 69.6890, 70.8244, 80.5185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

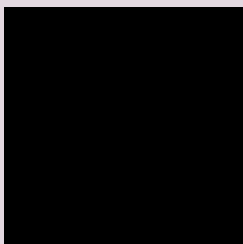
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

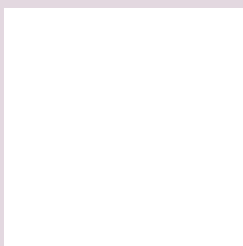
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6890, 70.8244, 80.5185

Background



This preview shows how black text looks on a background with the XYZ color 69.6890, 70.8244, 80.5185.

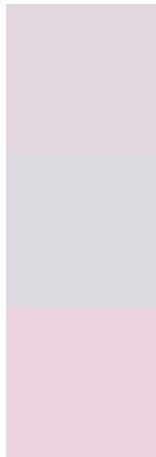


This preview shows how white text looks on a background with the XYZ color 69.6890, 70.8244,

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

69.6890, 70.8244, 80.5185

Protanopia

68.4808, 70.9512, 81.3198

Deuteranopia

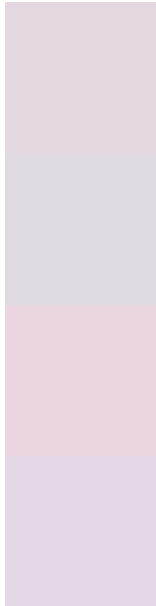
72.3940, 70.7004, 81.0651



Tritanopia

70.8608, 70.9211, 86.2983

Trichromacy



Original Color

69.6890, 70.8244, 80.5185

Protanomaly

68.8349, 70.7499, 81.2623

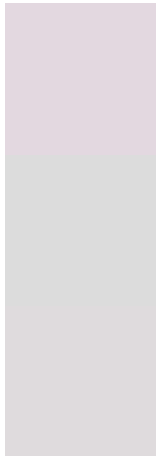
Deuteranomaly

71.3165, 70.5172, 81.0866

Tritanomaly

70.4382, 70.7520, 84.0728

Monochromacy



Original Color

69.6890, 70.8244, 80.5185

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.8141, 71.5715, 78.5944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6890, 70.8244, 80.5185 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(227, 216, 224) looks like.

```
.text, #text, p{  
    color:rgb(227, 216, 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(227, 216, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 216, 224) }
```

Border

The CSS property to change the border of an element to XYZ 69.6890, 70.8244, 80.5185 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(227, 216, 224) }
```


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

```
.border{ border-color:rgb(227, 216, 224) }
```

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

Here you see how a box with a 4 pixel rgb(227, 216, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 216, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 216, 224);  
box-shadow:4px 4px 4px 4px rgb(227, 216,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6890, 70.8244, 80.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 216, 224) }
```

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

```
.background{ background-color: rgb(227,  
216, 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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