

# Converting Colors

XYZ(70.6654, 70.8248, 86.2423)

Have a look what the booklet for  
XYZ(70.6654, 70.8248, 86.2423)  
contains.

<b>XYZ(70.5445, 70.7580, 86.2835)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(70.5445, 70.7580,  
86.2835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D7E8
RGB	227, 215, 232
RGB Percent	89%, 84%, 91%
CMY	0.1098, 0.1568, 0.0902
CMYK	0.02, 0.07, 0.00, 0.09
HSL	282°, 27%, 88%
HSV	282°, 7%, 91%
XYZ	70.5445, 70.7580, 86.2835
YIQ	220.5260, 1.6950, 7.8310

# Conversions

## Conversions Part 2

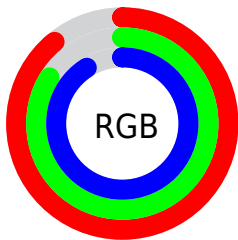
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 215, 232
Decimal	14931944
CIE Lab	87.37, 7.15, -6.86
CIE LCh	87, 9.909, 316.206
Yxy	70.7580, 0.3100, 0.3109
Android (android.graphics.Color)	4293122024 (0xFFE3D7E8)
YUV	220.5260, 5.6567, 5.6777
Hunter-Lab	84.1178, 2.4911, -1.9341

# Details

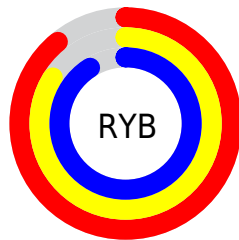
The XYZ color **70.5445, 70.7580, 86.2835** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6402, 77.8371, 75.5945**, and the grayscale version is **68.3577, 71.9176, 78.3183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4205, 37.0469, 46.2528** is the 20% darker color. If you saturate the color by 10%, you get **62.9413, 58.6833, 84.3546**, and if you desaturate by 10%, it is **79.0748, 84.5582, 88.4987**.

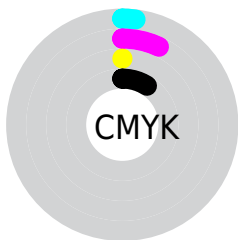
# Distribution



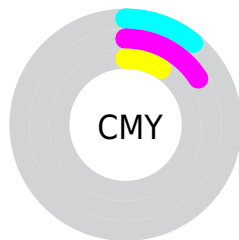
- Red (89%)
- Green (84%)
- Blue (91%)



- Red (89%)
- Yellow (84%)
- Blue (91%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (16%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5445, 70.7580, 86.2835 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 70.5445, 70.7580, 86.2835 by changing the saturation by 10% instead.



70.5445, 70.7580,  
86.2835

70.5445, 70.7580,  
86.2835

451.6962,  
463.2070, 536.1205

52.2518, 52.1447,  
64.3462

119.0070,  
120.2891, 144.0551

37.4309, 37.1205,  
46.4832

149.9074,  
151.9757, 180.7264

25.7165, 25.3008,  
32.2758

185.7411,  
188.7889, 223.1462

16.7432, 16.3013,  
21.3057

226.8734,  
231.1130, 271.7330

10.1457, 9.7376,  
13.1542

273.6698,  
279.3325, 326.9052

5.5587, 5.2253,  
7.4029

326.4954,

2.6167, 2.3801,

333.8317, 389.0816

3.6331

385.7158,  
394.9951, 458.6805

■ 0.9545, 0.8156,  
1.4263

■ 0.0000, 0.0000,  
0.1621

■ 70.5445, 70.7580,  
86.2835

■ 70.5445, 70.7580,  
86.2835

■ 62.9413, 58.6833,  
84.3546

■ 79.0748, 84.5582,  
88.4987

■ 56.2230, 48.2543,  
82.6957

■ 86.4824, 95.9858,  
90.3140

■ 50.3532, 39.3984,  
81.2957

■ 88.8517, 97.2071,  
90.4249

■ 45.2903, 32.0341,  
80.1411

■ 91.3091, 98.4740,  
90.5399

■ 40.9890, 26.0722,  
79.2171

■ 91.5657, 98.6063,  
90.5519

■ 37.3991, 21.4139,  
78.5071

■ 34.4638, 17.9474,  
77.9927

■ 32.1168, 15.5412,  
77.6520

■ 30.2705, 14.0224,  
77.4562

# Harmonies

## Analogous

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



68.5134, 70.7580, 90.0539



70.5445, 70.7580, 86.2835



71.7058, 70.7580, 80.1483

# Triad

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



70.5445, 70.7580, 86.2835



68.3289, 70.7580, 65.2253



63.0360, 70.7580, 80.6858

# Complementary

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



70.5445, 70.7580, 86.2835



70.6402, 77.8371, 75.5945

# 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.



62.9892, 70.7580, 74.0198



70.5445, 70.7580, 86.2835



66.0088, 70.7580, 65.3506

# Square

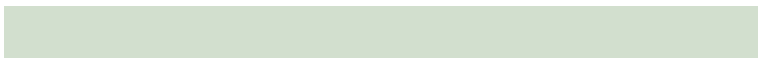
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5445, 70.7580, 86.2835



70.4067, 70.7580, 68.1348



64.0662, 70.7580, 68.4878



64.1956, 70.7580, 86.6966



# Rectangle

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



70.5445, 70.7580, 86.2835



71.8134, 70.7580, 75.6626



64.0662, 70.7580, 68.4878



62.8905, 70.7580, 78.4409

# Sweetspot

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



70.5466, 70.7610, 86.2850



92.8947, 96.5056, 108.3391



68.2121, 71.5153, 86.5537



19.9059, 20.6928, 23.1949



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.



70.5466, 70.7610, 86.2850



85.7203, 84.9633, 106.4894



71.6683, 71.3946, 83.8411



14.5605, 14.3912, 18.1547



16.6889, 7.6693, 42.9839



1.3250, 0.6140, 3.1807



# Inverse Universe

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



70.4999, 70.9272, 77.6883



85.6613, 85.2216, 93.4421



69.5908, 77.2451, 77.8495



14.5505, 14.4374, 15.8335



19.1064, 9.7768, 4.1895

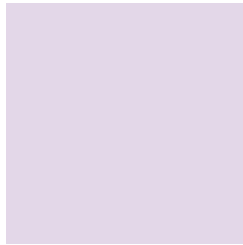


1.4515, 0.7383, 0.5181



# Previews

## White Background



This preview shows how the XYZ color 70.5445, 70.7580, 86.2835 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

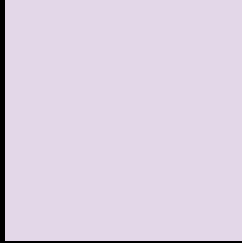
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.5445, 70.7580, 86.2835 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

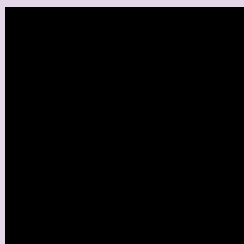
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

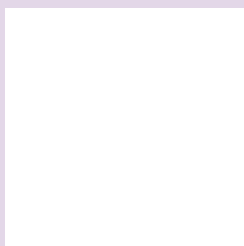
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.5445, 70.7580, 86.2835**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.5445, 70.7580, 86.2835.



This preview shows how white text looks on a background with the XYZ color 70.5445, 70.7580,



# 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

70.5445, 70.7580, 86.2835

### Protanopia

69.1361, 71.1434, 87.9301

### Deuteranopia

72.2914, 70.9071, 86.2202



## Tritanopia

70.5445, 70.7580, 86.2835

# Trichromacy



## Original Color

70.5445, 70.7580, 86.2835

## Protanomaly

69.6450, 71.0385, 87.1319

## Deuteranomaly

71.5671, 70.9083, 86.2586

## Tritanomaly

70.5445, 70.7580, 86.2835

# Monochromacy



## Original Color

70.5445, 70.7580, 86.2835

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.3536, 71.7873, 81.4352

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5445, 70.7580, 86.2835 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, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 232)  
}
```

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, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5445, 70.7580, 86.2835 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, 215, 232) }
```



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

```
.border{ border-color:rgb(227, 215, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(227, 215,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5445, 70.7580, 86.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 232) }
```

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

```
.background{ background-color: rgb(227,  
215, 232) }
```

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