

# Converting Colors

XYZ(67.4723, 70.0922, 82.7736)

Have a look what the booklet for  
XYZ(67.4723, 70.0922, 82.7736)  
contains.

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# Color

**XYZ(67.2933, 69.9235,  
82.6229)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9D9E3
RGB	217, 217, 227
RGB Percent	85%, 85%, 89%
CMY	0.1490, 0.1490, 0.1098
CMYK	0.04, 0.04, 0.00, 0.11
HSL	240°, 15%, 87%
HSV	240°, 4%, 89%
XYZ	67.2933, 69.9235, 82.6229
YIQ	218.1400, -3.2100, 3.1100

# Conversions

## Conversions Part 2

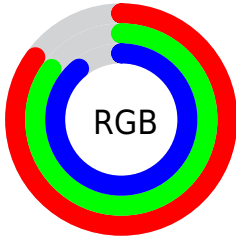
Format	Color
R <sub>Y</sub> B	217, 217, 227
Decimal	14277091
CIE Lab	86.96, 1.85, -4.91
CIE LCh	87, 5.242, 290.628
Yxy	69.9235, 0.3061, 0.3181
Android (android.graphics.Color)	4292467171 (0xFFD9D9E3)
YUV	218.1400, 4.3680, -0.9998
Hunter-Lab	83.6203, -2.6878, -0.0486

# Details

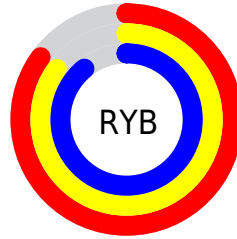
The XYZ color **67.2933, 69.9235, 82.6229** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.6722, 76.2782, 76.5925**, and the grayscale version is **66.7113, 70.1854, 76.4319**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2670, 36.5006, 44.2163** is the 20% darker color. If you saturate the color by 10%, you get **55.5524, 55.7783, 80.5125**, and if you desaturate by 10%, it is **80.7706, 86.1616, 85.0479**.

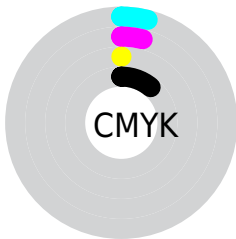
# Distribution



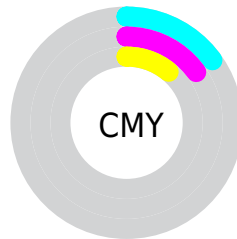
- Red (85%)
- Green (85%)
- Blue (89%)



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



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2933, 69.9235, 82.6229 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 67.2933, 69.9235, 82.6229 by changing the saturation by 10% instead.



■ 67.2933, 69.9235,  
82.6229

■ 67.2933, 69.9235,  
82.6229

440.4041,  
460.2814, 523.6669

■ 49.5946, 51.4642,  
61.3403

114.3881,  
119.0997, 138.8917

■ 35.3079, 36.5782,  
44.0675

144.5148,  
150.5853, 174.7150

■ 24.0677, 24.8810,  
30.3860

179.5150,  
187.1818, 216.2222

■ 15.5089, 15.9884,  
19.8772

219.7539,  
229.2735, 263.8320

■ 9.2659, 9.5160,  
12.1226

265.5969,  
277.2450, 317.9628

■ 4.9735, 5.0792,  
6.7037

317.4094,

■ 2.2663, 2.2938,

331.4805, 379.0332

3.2019

375.5567,  
392.3645, 447.4617

■ 0.7774, 0.7704,  
1.1986

■ 0.0000, 0.0000,  
0.0000

■ 67.2933, 69.9235,  
82.6229

■ 67.2933, 69.9235,  
82.6229

■ 55.5524, 55.7783,  
80.5125

■ 80.7706, 86.1616,  
85.0479

■ 45.4715, 43.6323,  
78.6994

■ 90.8653, 98.3261,  
86.8638

■ 36.9777, 33.3983,  
77.1717

■ 29.9901, 24.9788,  
75.9149

■ 24.4208, 18.2681,  
74.9131

■ 20.1729, 13.1492,  
74.1489

■ 17.1371, 9.4906,  
73.6028

■ 15.1869, 7.1401,  
73.2518

■ 14.1680, 5.9115,  
73.0684

# Harmonies

## Analogous

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



66.0774, 69.9235, 82.9850



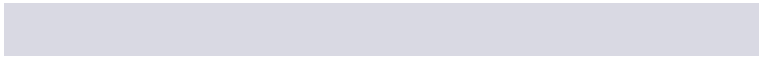
67.2933, 69.9235, 82.6229



68.2974, 69.9235, 80.4938

# Triad

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



67.2933, 69.9235, 82.6229



67.9653, 69.9235, 71.0392



64.1636, 69.9235, 75.0418

# Complementary

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



67.2933, 69.9235, 82.6229



71.6722, 76.2782, 76.5925

# 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.



64.6563, 69.9235, 71.9361



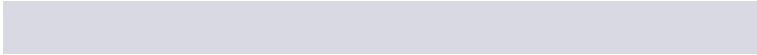
67.2933, 69.9235, 82.6229



66.8444, 69.9235, 69.6724

# Square

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



67.2933, 69.9235, 82.6229



68.6886, 69.9235, 73.7834



65.6340, 69.9235, 69.9956



64.2805, 69.9235, 78.5357



# Rectangle

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



67.2933, 69.9235, 82.6229



68.7067, 69.9235, 78.3939



65.6340, 69.9235, 69.9956



64.2632, 69.9235, 73.9195

# Sweetspot

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



67.2953, 69.9265, 82.6244



93.3102, 97.9039, 108.5871



69.9276, 75.2279, 83.3884



19.9906, 20.9775, 23.2454



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.



67.2953, 69.9265, 82.6244



86.5817, 89.7972, 107.3770



68.7523, 70.6763, 82.6924



14.5966, 15.1089, 18.2913



8.0868, 3.2358, 42.5815



0.5977, 0.2394, 3.1467

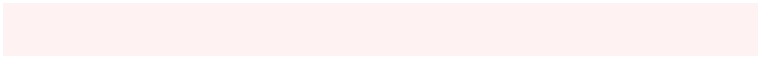


# Inverse Universe

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



69.0174, 70.9678, 75.7097



89.1318, 91.3393, 97.1372



70.1699, 75.5050, 76.5225



15.0854, 15.4045, 16.3286



18.4754, 9.5244, 0.8663

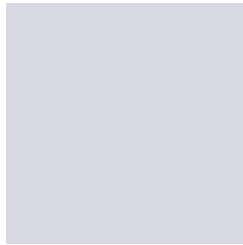


1.3653, 0.7038, 0.0644



# Previews

## White Background



This preview shows how the XYZ color 67.2933, 69.9235, 82.6229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

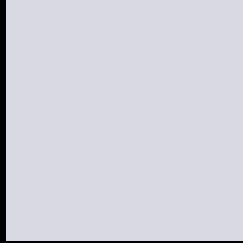
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.2933, 69.9235, 82.6229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

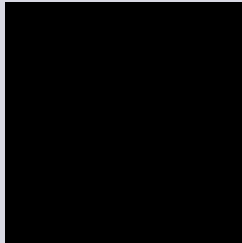
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

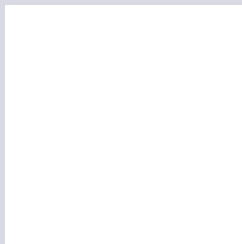
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.2933, 69.9235, 82.6229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.2933, 69.9235, 82.6229.



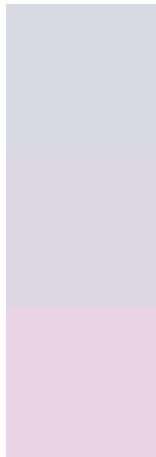
This preview shows how white text looks on a background with the XYZ color 67.2933, 69.9235,

82.6229.

# 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

67.2933, 69.9235, 82.6229

### Protanopia

67.6344, 69.7179, 82.5652

### Deuteranopia

71.2295, 69.6824, 83.0946



## Tritanopia

68.1773, 69.9004, 86.9896

# Trichromacy



## Original Color

67.2933, 69.9235, 82.6229

## Protanomaly

67.3344, 69.5632, 82.5512

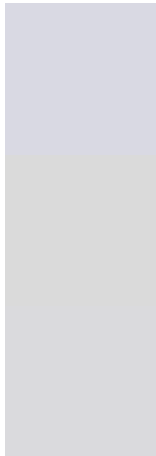
## Deuteranomaly

69.7927, 69.6839, 83.1707

## Tritanomaly

67.8931, 69.7867, 85.4931

# Monochromacy



## Original Color

67.2933, 69.9235, 82.6229

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.0360, 70.2687, 78.4367

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2933, 69.9235, 82.6229 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, 217, 227) looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 227)  
}
```

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, 217, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2933, 69.9235, 82.6229 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, 217, 227) }
```



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

```
.border{ border-color:rgb(217, 217, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 217, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 227);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2933, 69.9235, 82.6229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 217, 227) }
```

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

```
.background{ background-color: rgb(217,  
217, 227) }
```

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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