

# Converting Colors

XYZ(67.1212, 69.5954, 77.2796)

Have a look what the booklet for  
XYZ(67.1212, 69.5954, 77.2796)  
contains.

<b>XYZ(67.2929, 69.6512, 77.6075)</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(67.2929, 69.6512,  
77.6075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDD8DC
RGB	221, 216, 220
RGB Percent	87%, 85%, 86%
CMY	0.1333, 0.1529, 0.1372
CMYK	0.00, 0.02, 0.00, 0.13
HSL	312°, 7%, 86%
HSV	312°, 2%, 87%
XYZ	67.2929, 69.6512, 77.6075
YIQ	217.9510, 1.6960, 2.3040

# Conversions

## Conversions Part 2

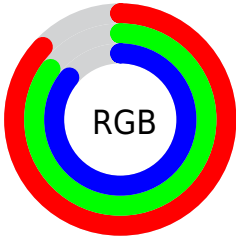
Format	Color
R <sub>Y</sub> B	221, 216, 220
Decimal	14538972
CIE Lab	86.83, 2.42, -1.37
CIE LCh	87, 2.782, 330.547
Yxy	69.6512, 0.3136, 0.3246
Android (android.graphics.Color)	4292729052 (0xFFDDD8DC)
YUV	217.9510, 1.0102, 2.6740
Hunter-Lab	83.4573, -2.1230, 3.2859

# Details

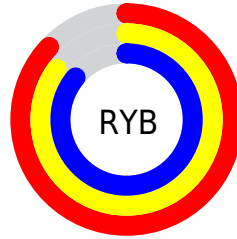
The XYZ color **67.2929, 69.6512, 77.6075** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.7023, 71.3233, 75.9003**, and the grayscale version is **66.6009, 70.0694, 76.3055**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2623, 36.3133, 40.7480** is the 20% darker color. If you saturate the color by 10%, you get **61.4302, 58.8499, 72.8024**, and if you desaturate by 10%, it is **73.9365, 81.9877, 82.7511**.

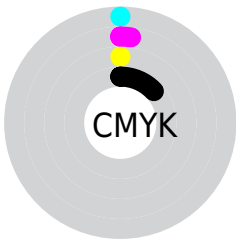
# Distribution



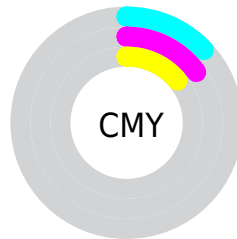
- Red (87%)
- Green (85%)
- Blue (86%)



- Red (87%)
- Yellow (85%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2929, 69.6512, 77.6075 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 67.2929, 69.6512, 77.6075 by changing the saturation by 10% instead.



■ 67.2929, 69.6512,  
77.6075

■ 67.2929, 69.6512,  
77.6075

440.4027,  
459.3244, 506.3254

■ 49.5943, 51.2422,  
57.2371

114.3875,  
118.7112, 131.7775

■ 35.3076, 36.4014,  
40.7850

144.5142,  
150.1310, 166.4142

■ 24.0675, 24.7444,  
27.8327

179.5142,  
186.6566, 206.6433

■ 15.5087, 15.8867,  
17.9616

219.7530,  
228.6723, 252.8835

■ 9.2658, 9.4440,  
10.7533

265.5959,  
276.5625, 305.5533

■ 4.9735, 5.0319,  
5.7891

317.4083,

■ 2.2663, 2.2660,

330.7117, 365.0711

2.6506

375.5554,  
391.5042, 431.8557

■ 0.7773, 0.7556,  
0.9184

■ 0.0000, 0.0000,  
0.0000

■ 67.2929, 69.6512,  
77.6075

■ 67.2929, 69.6512,  
77.6075

■ 61.4302, 58.8499,  
72.8024

■ 73.9365, 81.9877,  
82.7511

■ 56.3122, 49.5143,  
68.3205

■ 79.7006, 92.5409,  
87.6777

■ 51.9086, 41.5830,  
64.1520

■ 80.3255, 92.7909,  
90.9688

■ 48.1846, 34.9869,  
60.2848

■ 80.9664, 93.0472,  
94.3434

45.1027, 29.6508,  
56.7056

81.6232, 93.3100,  
97.8021

42.6214, 25.4921,  
53.4002

82.2960, 93.5791,  
101.3453

40.6945, 22.4185,  
50.3524

82.9851, 93.8547,  
104.9738

39.2686, 20.3237,  
47.5438

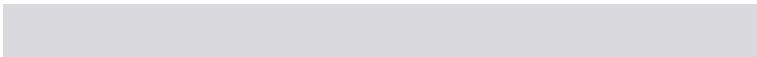
83.6292, 94.1124,  
108.3655

38.2800, 19.0800,  
44.9526

# Harmonies

## Analogous

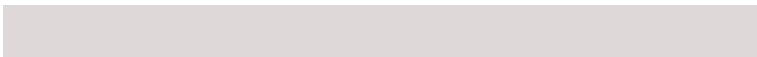
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.8370, 69.6512, 78.9550



67.2929, 69.6512, 77.6075



67.4559, 69.6512, 75.8042

# Triad

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



67.2929, 69.6512, 77.6075



66.1895, 69.6512, 72.3238



65.1335, 69.6512, 77.6675

# Complementary

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



67.2929, 69.6512, 77.6075



66.7023, 71.3233, 75.9003

# 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.



64.9625, 69.6512, 75.8724



67.2929, 69.6512, 77.6075



65.5698, 69.6512, 72.8048

# Square

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



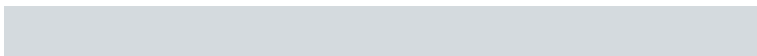
67.2929, 69.6512, 77.6075



66.8163, 69.6512, 72.7716



65.1217, 69.6512, 74.0962



65.5903, 69.6512, 78.9900

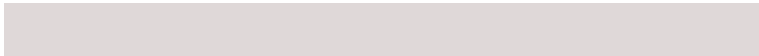


# Rectangle

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



67.2929, 69.6512, 77.6075



67.3756, 69.6512, 74.5920



65.1217, 69.6512, 74.0962



65.0408, 69.6512, 77.0984

# Sweetspot

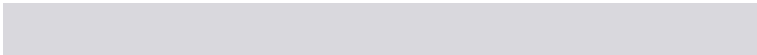
The Sweet Spot groups the original color and five complimentary colors.



67.2949, 69.6542, 77.6090



94.1598, 98.3510, 108.1985



66.2252, 69.0874, 78.2523



20.1635, 21.0685, 23.1664



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.



67.2949, 69.6542, 77.6090



92.4124, 95.1176, 106.8098



66.9665, 69.5228, 75.8797



14.2135, 14.5488, 16.4629



21.9606, 10.7853, 25.2365



1.4517, 0.7103, 1.7875



# Inverse Universe

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



67.2949, 69.6542, 77.6090



92.4124, 95.1176, 106.8098



67.0297, 71.4543, 77.6244



14.2135, 14.5488, 16.4629



21.9606, 10.7853, 25.2365

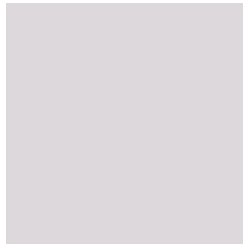


1.4517, 0.7103, 1.7875



# Previews

## White Background



This preview shows how the XYZ color 67.2929, 69.6512, 77.6075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

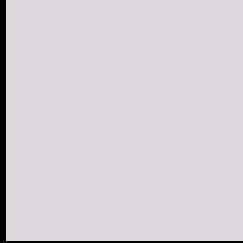
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.2929, 69.6512, 77.6075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

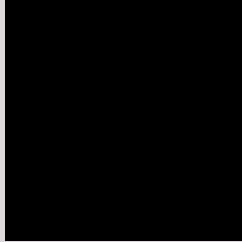
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

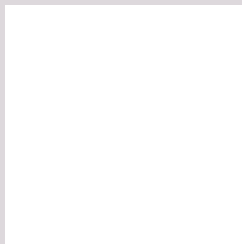
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.2929, 69.6512, 77.6075**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.2929, 69.6512, 77.6075.



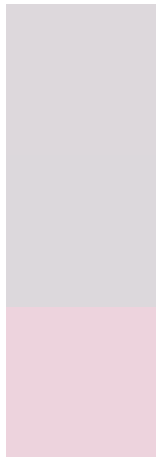
This preview shows how white text looks on a background with the XYZ color 67.2929, 69.6512,



# 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

67.2929, 69.6512, 77.6075

### Protanopia

66.9893, 69.4947, 77.5932

### Deuteranopia

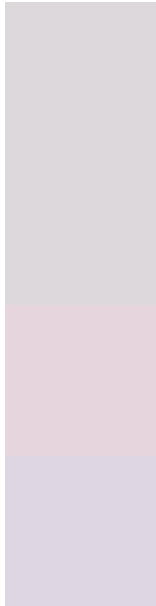
71.2705, 69.8135, 78.1256



## Tritanopia

68.9018, 69.5506, 85.3944

# Trichromacy



## Original Color

67.2929, 69.6512, 77.6075

## Protanomaly

66.9893, 69.4947, 77.5932

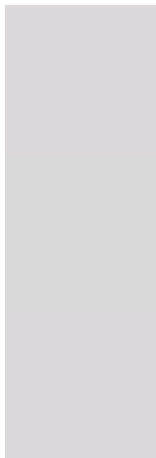
## Deuteranomaly

69.8004, 69.7979, 78.2001

## Tritanomaly

68.2898, 69.6765, 82.5227

# Monochromacy



## Original Color

67.2929, 69.6512, 77.6075

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.8125, 69.8003, 76.9692

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2929, 69.6512, 77.6075 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(221, 216, 220) looks like.

```
.text, #text, p{  
    color:rgb(221, 216, 220)  
}
```

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(221, 216, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 216, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2929, 69.6512, 77.6075 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(221, 216, 220) }
```



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

```
.border{ border-color:rgb(221, 216, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 216, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 216, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 216, 220);  
box-shadow:4px 4px 4px 4px rgb(221, 216,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2929, 69.6512, 77.6075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 216, 220) }
```

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

```
.background{ background-color: rgb(221,  
216, 220) }
```

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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