

# Converting Colors

XYZ(67.3915, 72.7241, 70.7063)

Have a look what the booklet for  
XYZ(67.3915, 72.7241, 70.7063)  
contains.

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# Color

**XYZ(67.4115, 72.5944,  
70.7808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCDFD1
RGB	220, 223, 209
RGB Percent	86%, 87%, 82%
CMY	0.1372, 0.1255, 0.1804
CMYK	0.01, 0.00, 0.06, 0.13
HSL	73°, 18%, 85%
HSV	73°, 6%, 87%
XYZ	67.4115, 72.5944, 70.7808
YIQ	220.5070, 2.7060, -4.9900

# Conversions

## Conversions Part 2

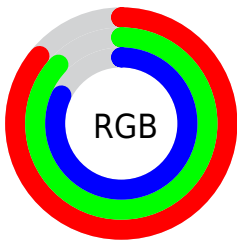
Format	Color
R <sub>Y</sub> B	209, 223, 212
Decimal	14475217
CIE Lab	88.25, -3.47, 6.49
CIE LCh	88, 7.365, 118.133
Yxy	72.5944, 0.3198, 0.3444
Android (android.graphics.Color)	4292665297 (0xFFDCDFD1)
YUV	220.5070, -5.6730, -0.4446
Hunter-Lab	85.2023, -7.8762, 10.3872

# Details

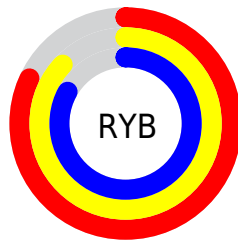
The XYZ color **67.4115, 72.5944, 70.7808** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.2739, 64.9277, 79.0132**, and the grayscale version is **68.4206, 71.9838, 78.3903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4361, 38.3712, 36.5490** is the 20% darker color. If you saturate the color by 10%, you get **63.4150, 70.8333, 57.1760**, and if you desaturate by 10%, it is **71.8400, 74.5378, 86.4262**.

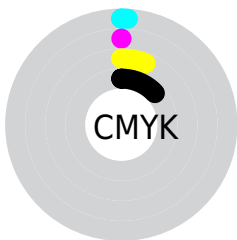
# Distribution



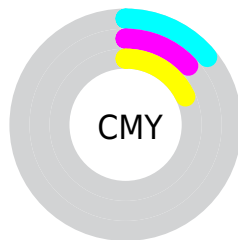
- Red (86%)
- Green (87%)
- Blue (82%)



- Red (82%)
- Yellow (87%)
- Blue (83%)



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4115, 72.5944, 70.7808 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 67.4115, 72.5944, 70.7808 by changing the saturation by 10% instead.



67.4115, 72.5944,  
70.7808

67.4115, 72.5944,  
70.7808

440.8176,  
469.6079, 482.1498

49.6910, 53.6444,  
51.6826

114.5564,  
122.9012, 122.0131

35.3848, 38.3174,  
36.3716

144.7115,  
155.0268, 154.9843

24.1273, 26.2291,  
24.4294

179.7423,  
192.3131, 193.4169

15.5533, 16.9951,  
15.4373

220.0140,  
235.1444, 237.7294

9.2975, 10.2310,  
8.9769

265.8920,  
283.9051, 288.3404

4.9944, 5.5524,  
4.6295

317.7417,

2.2787, 2.5749,

338.9797, 345.6685

1.9766

375.9285,  
400.7525, 410.1321

■ 0.7837, 0.9141,  
0.5409

■ 0.0000, 0.0000,  
0.0000

■ 67.4115, 72.5944,  
70.7808

■ 67.4115, 72.5944,  
70.7808

■ 63.4150, 70.8333,  
57.1760

■ 71.8400, 74.5378,  
86.4262

■ 59.8282, 69.2384,  
45.5230


■ 76.7099, 76.6603,  
104.1866


■ 56.6356, 67.8059,  
35.7335


■ 78.4867, 77.5504,  
105.4398

■ 53.8185, 66.5283,  
27.7103


■ 80.0818, 78.3727,  
105.5144


 51.3564, 65.3974,  
21.3478


 81.7197, 79.2170,  
105.5911


 49.2269, 64.4040,  
16.5290


 83.4007, 80.0836,  
105.6697

 47.4043, 63.5379,  
13.1215

 85.1250, 80.9725,  
105.7504

 45.8590, 62.7873,  
10.9708

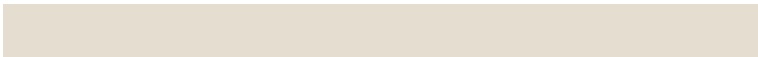
 85.6791, 81.2582,  
105.7764

 44.5539, 62.1372,  
9.8837

# Harmonies

## Analogous

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



69.1094, 72.5944, 69.7245



67.4115, 72.5944, 70.7808



66.1575, 72.5944, 74.0236

# Triad

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



67.4115, 72.5944, 70.7808



67.2232, 72.5944, 87.5849



72.4453, 72.5944, 79.3599

# Complementary

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



67.4115, 72.5944, 70.7808



63.2739, 64.9277, 79.0132

# 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.



71.9203, 72.5944, 84.2842



67.4115, 72.5944, 70.7808



68.8883, 72.5944, 89.1568

# Square

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



67.4115, 72.5944, 70.7808



66.0501, 72.5944, 83.7133



70.6108, 72.5944, 87.9243



72.0339, 72.5944, 74.5497



# Rectangle

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



67.4115, 72.5944, 70.7808



65.7318, 72.5944, 77.0618



70.6108, 72.5944, 87.9243



72.3723, 72.5944, 81.0578

# Sweetspot

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



67.4135, 72.5975, 70.7824



93.8383, 99.4689, 104.6139



65.4360, 67.2806, 69.8603



20.0980, 21.2960, 22.4366



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.



67.4135, 72.5975, 70.7824



90.3459, 97.9345, 92.4361



65.3974, 71.5582, 70.6880



14.5689, 15.8735, 14.6028



26.0309, 36.4519, 5.6640



1.8769, 2.5640, 0.3960



# Inverse Universe

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



63.2739, 64.9277, 79.0132



83.2325, 84.7544, 106.5802



65.2754, 65.9595, 79.1068



13.2255, 13.3843, 17.2740



8.6215, 3.5398, 41.2772

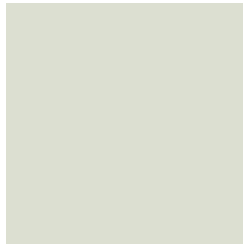


0.6730, 0.2842, 2.8646



# Previews

## White Background



This preview shows how the XYZ color 67.4115, 72.5944, 70.7808 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 67.4115, 72.5944, 70.7808 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

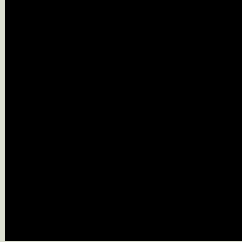
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

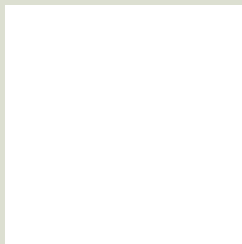
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 67.4115, 72.5944, 70.7808

## Background



This preview shows how black text looks on a background with the XYZ color 67.4115, 72.5944, 70.7808.



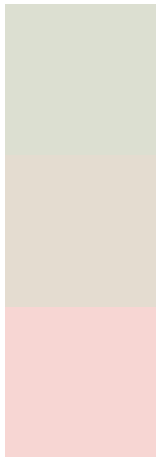
This preview shows how white text looks on a background with the XYZ color 67.4115, 72.5944,



# 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

67.4115, 72.5944, 70.7808

### Protanopia

68.9733, 72.2344, 69.9819

### Deuteranopia

74.1622, 72.5704, 71.7267



## Tritanopia

71.2123, 72.5665, 89.6103

# Trichromacy



## Original Color

67.4115, 72.5944, 70.7808

## Protanomaly

68.2930, 72.2745, 70.0255

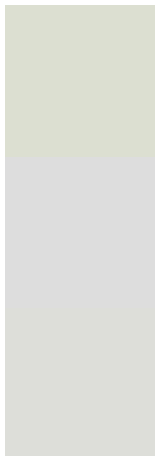
## Deuteranomaly

71.3708, 72.2834, 71.1632

## Tritanomaly

69.7521, 72.3654, 82.2431

# Monochromacy



## Original Color

67.4115, 72.5944, 70.7808

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.4645, 72.6245, 76.0551

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.4115, 72.5944, 70.7808 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(220, 223, 209) looks like.

```
.text, #text, p{  
    color:rgb(220, 223, 209)  
}
```

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(220, 223, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 223, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 67.4115, 72.5944, 70.7808 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(220, 223, 209) }
```



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

```
.border{ border-color:rgb(220, 223, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 223, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 223, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 223, 209);  
box-shadow:4px 4px 4px 4px rgb(220, 223,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.4115, 72.5944, 70.7808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 223, 209) }
```

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

```
.background{ background-color: rgb(220,  
223, 209) }
```

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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