

# Converting Colors

XYZ(67.5459, 72.3599, 67.6193)

Have a look what the booklet for  
XYZ(67.5459, 72.3599, 67.6193)  
contains.

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# Color

**XYZ(67.4518, 72.2902,  
67.5250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFDECC
RGB	223, 222, 204
RGB Percent	87%, 87%, 80%
CMY	0.1255, 0.1294, 0.2000
CMYK	0.00, 0.00, 0.09, 0.13
HSL	57°, 23%, 84%
HSV	57°, 9%, 87%
XYZ	67.4518, 72.2902, 67.5250
YIQ	220.2470, 6.3740, -5.3860

# Conversions

## Conversions Part 2

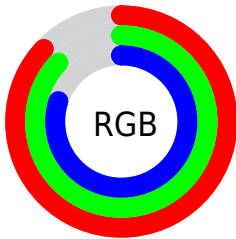
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 223, 204
Decimal	14671564
CIE Lab	88.11, -2.76, 8.94
CIE LCh	88, 9.356, 107.126
Yxy	72.2902, 0.3254, 0.3488
Android (android.graphics.Color)	4292861644 (0xFFDFDECC)
YUV	220.2470, -8.0098, 2.4144
Hunter-Lab	85.0236, -7.1820, 12.4290

# Details

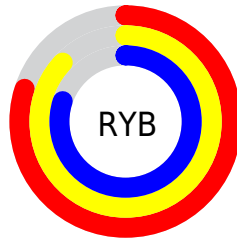
The XYZ color **67.4518, 72.2902, 67.5250** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.0523, 61.8266, 78.5814**, and the grayscale version is **68.2528, 71.8072, 78.1981**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4722, 38.1643, 34.3510** is the 20% darker color. If you saturate the color by 10%, you get **64.6579, 70.6801, 54.3292**, and if you desaturate by 10%, it is **70.6349, 74.0641, 82.7417**.

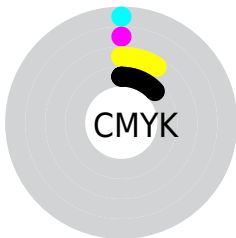
# Distribution



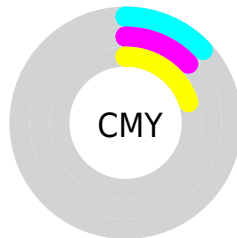
- Red (87%)
- Green (87%)
- Blue (80%)



- Red (80%)
- Yellow (87%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4518, 72.2902, 67.5250 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 67.4518, 72.2902, 67.5250 by changing the saturation by 10% instead.



67.4518, 72.2902,  
67.5250

67.4518, 72.2902,  
67.5250

440.9585,  
468.5511, 470.3635

49.7239, 53.3958,  
49.0471

114.6138,  
122.4690, 117.3201

35.4110, 38.1188,  
34.2910

144.7786,  
154.5222, 149.4745

24.1476, 26.0749,  
22.8381

179.8198,  
191.7304, 187.0247

15.5685, 16.8797,  
14.2698

220.1027,  
234.4781, 230.3894

9.3082, 10.1488,  
8.1677

265.9926,  
283.1496, 279.9871

5.0015, 5.4977,  
4.1131

317.8550,

2.2829, 2.5421,

338.1293, 336.2363

1.6876

376.0552,  
399.8017, 399.5556

■ 0.7859, 0.8977,  
0.3522

■ 0.0000, 0.0000,  
0.0000

■ 67.4518, 72.2902,  
67.5250

■ 67.4518, 72.2902,  
67.5250

■ 64.6579, 70.6801,  
54.3292

■ 70.6349, 74.0641,  
82.7417

■ 62.2310, 69.2179,  
43.0643

■ 74.2164, 75.9985,  
100.0548

■ 60.1557, 67.8998,  
33.6404

■ 75.5453, 77.0353,  
105.4954

■ 58.4133, 66.7182,  
25.9589

■ 75.8632, 77.6711,  
105.6013

■ 56.9832, 65.6651,  
19.9117

■ 76.1833, 78.3113,  
105.7080

■ 55.8427, 64.7311,  
15.3788

■ 76.5056, 78.9558,  
105.8155

■ 54.9658, 63.9060,  
12.2237

■ 76.8300, 79.6047,  
105.9236

■ 54.3220, 63.1775,  
10.2854

■ 77.1567, 80.2579,  
106.0325

■ 53.8659, 62.5274,  
9.3247

■ 77.4855, 80.9156,  
106.1421

# Harmonies

## Analogous

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



69.6717, 72.2902, 67.3118



67.4518, 72.2902, 67.5250



65.6078, 72.2902, 70.6305

# Triad

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



67.4518, 72.2902, 67.5250



65.8267, 72.2902, 88.0812



72.9852, 72.2902, 81.4862

# Complementary

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



67.4518, 72.2902, 67.5250



60.0523, 61.8266, 78.5814

# 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.



71.9077, 72.2902, 87.3870



67.4518, 72.2902, 67.5250



67.7565, 72.2902, 91.3312

# Square

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



67.4518, 72.2902, 67.5250



64.6837, 72.2902, 82.3923



69.9831, 72.2902, 91.0704



72.8993, 72.2902, 75.1424

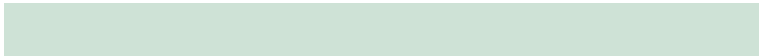


# Rectangle

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



67.4518, 72.2902, 67.5250



64.8254, 72.2902, 74.0236



69.9831, 72.2902, 91.0704



72.7461, 72.2902, 83.5938

# Sweetspot

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



67.4538, 72.2934, 67.5266



93.7148, 99.2615, 102.4992



63.0769, 63.2954, 66.8202



19.9842, 21.2045, 21.5822



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.



67.4538, 72.2934, 67.5266



90.7880, 97.6156, 88.5519



65.2435, 71.5476, 67.4991



14.8070, 15.9000, 14.5954



31.6626, 36.7631, 5.4272



2.2138, 2.5864, 0.3826



# Inverse Universe

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



60.0523, 61.8266, 78.5814



79.0530, 81.0205, 106.0797



62.1318, 62.5462, 78.6107



13.0094, 13.3579, 17.2803



7.9316, 3.3327, 41.2736

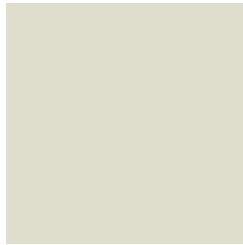


0.5704, 0.2722, 2.8677



# Previews

## White Background



This preview shows how the XYZ color 67.4518, 72.2902, 67.5250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

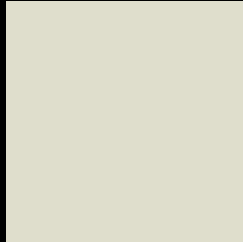
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.4518, 72.2902, 67.5250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

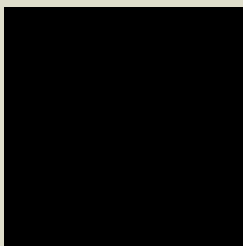
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

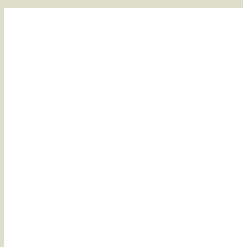
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.4518, 72.2902, 67.5250**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.4518, 72.2902, 67.5250.



This preview shows how white text looks on a background with the XYZ color 67.4518, 72.2902, 67.5250.

67.5250.

# 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

67.4518, 72.2902, 67.5250

### Protanopia

68.6858, 72.1562, 66.8073

### Deuteranopia

73.6462, 72.0012, 68.4086



## Tritanopia

71.4868, 71.9548, 88.7182

# Trichromacy



## Original Color

67.4518, 72.2902, 67.5250

## Protanomaly

68.3145, 72.3556, 66.8654

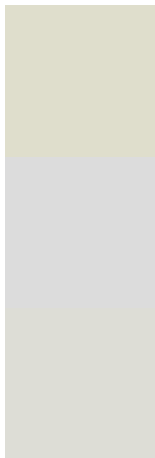
## Deuteranomaly

71.1719, 71.8702, 67.8788

## Tritanomaly

70.1501, 72.2136, 80.7623

# Monochromacy



## Original Color

67.4518, 72.2902, 67.5250

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

67.8128, 71.9401, 73.9300

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.4518, 72.2902, 67.5250 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(223, 222, 204) looks like.

```
.text, #text, p{  
    color:rgb(223, 222, 204)  
}
```

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(223, 222, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 222, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 67.4518, 72.2902, 67.5250 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(223, 222, 204) }
```



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

```
.border{ border-color:rgb(223, 222, 204) }
```

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

Here you see how a box with a 4 pixel rgb(223, 222, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 222, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 222, 204);  
box-shadow:4px 4px 4px 4px rgb(223, 222,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.4518, 72.2902, 67.5250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 222, 204) }
```

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

```
.background{ background-color: rgb(223,  
222, 204) }
```

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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