

Converting Colors

XYZ(68.5035, 72.3603, 76.0844)

Have a look what the booklet for
XYZ(68.5035, 72.3603, 76.0844)
contains.

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Color

**XYZ(68.5050, 72.2523,
75.9811)**

Conversions

Conversions Part 1

Format	Color
Hex	DEDDD9
RGB	222, 221, 217
RGB Percent	87%, 87%, 85%
CMY	0.1294, 0.1333, 0.1490
CMYK	0.00, 0.00, 0.02, 0.13
HSL	48°, 7%, 86%
HSV	48°, 2%, 87%
XYZ	68.5050, 72.2523, 75.9811
YIQ	220.8430, 1.8800, -1.0320

Conversions

Conversions Part 2

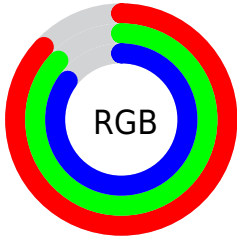
Format	Color
R _Y B	218, 222, 217
Decimal	14605785
CIE Lab	88.09, -0.37, 2.07
CIE LCh	88, 2.101, 100.075
Yxy	72.2523, 0.3161, 0.3334
Android (android.graphics.Color)	4292795865 (0xFFDEDDD9)
YUV	220.8430, -1.8946, 1.0147
Hunter-Lab	85.0014, -4.8942, 6.5027

Details

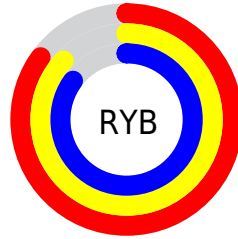
The XYZ color **68.5050, 72.2523, 75.9811** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.8713, 70.1672, 79.1271**, and the grayscale version is **68.6308, 72.2050, 78.6312**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0942, 38.0966, 39.6334** is the 20% darker color. If you saturate the color by 10%, you get **64.6584, 68.8728, 61.3980**, and if you desaturate by 10%, it is **72.7750, 75.8549, 92.6234**.

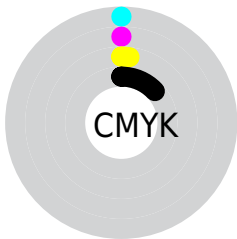
Distribution



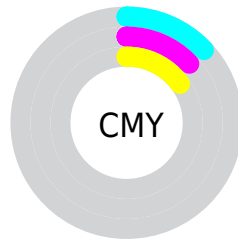
- Red (87%)
- Green (87%)
- Blue (85%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5050, 72.2523, 75.9811 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 68.5050, 72.2523, 75.9811 by changing the saturation by 10% instead.

■ 68.5050, 72.2523,
75.9811

■ 68.5050, 72.2523,
75.9811

444.6319,
468.4193, 500.6281

■ 50.5839, 53.3648,
55.9104

116.1122,
122.4152, 129.4600

■ 36.0972, 38.0941,
39.7276

146.5290,
154.4593, 163.7054

■ 24.6798, 26.0557,
27.0141

181.8418,
191.6578, 203.5127

■ 15.9661, 16.8653,
17.3513

222.4158,
234.3951, 249.3006

■ 9.5908, 10.1385,
10.3206

268.6165,
283.0554, 301.4875

■ 5.1887, 5.4909,
5.5037

320.8091,

■ 2.3943, 2.5381,

338.0233, 360.4921

2.4819

379.3592,
399.6832, 426.7327

■ 0.8423, 0.8956,
0.8305

■ 0.0000, 0.0000,
0.0000

■ 68.5050, 72.2523,
75.9811

■ 68.5050, 72.2523,
75.9811

■ 64.6584, 68.8728,
61.3980

■ 72.7750, 75.8549,
92.6234

■ 61.2133, 65.7004,
48.7884

■ 76.4288, 79.2583,
105.8779

■ 58.1552, 62.7313,
38.0671

■ 77.6737, 81.7481,
106.2929

■ 55.4662, 59.9579,
29.1412

■ 78.9500, 84.3007,
106.7183

■ 53.1269, 57.3719,
21.9097

■ 80.2579, 86.9165,
107.1543

■ 51.1159, 54.9647,
16.2618

■ 81.5977, 89.5961,
107.6009

■ 49.4096, 52.7261,
12.0732

■ 82.9696, 92.3399,
108.0582

■ 47.9804, 50.6449,
9.2010

■ 83.9345, 94.2698,
108.3798

■ 46.7956, 48.7075,
7.4737

Harmonies

Analogous

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



69.0030, 72.2523, 76.1012



68.5050, 72.2523, 75.9811



68.0544, 72.2523, 76.5749

Triad

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



68.5050, 72.2523, 75.9811



67.9380, 72.2523, 80.4628



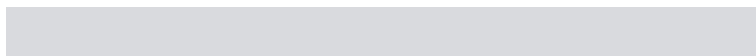
69.5847, 72.2523, 79.6159

Complementary

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



68.5050, 72.2523, 75.9811



66.8713, 70.1672, 79.1271

Split Complementary

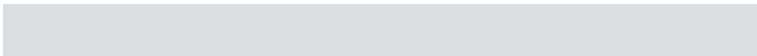
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.2967, 72.2523, 80.8039



68.5050, 72.2523, 75.9811



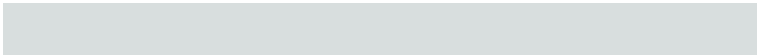
68.3454, 72.2523, 81.2970

Square

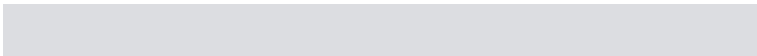
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



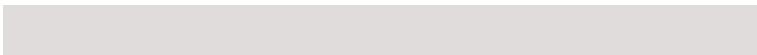
68.5050, 72.2523, 75.9811



67.7281, 72.2523, 79.1548



68.8426, 72.2523, 81.4226



69.6280, 72.2523, 78.1881

Rectangle

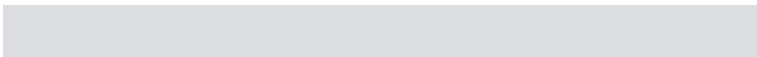
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.5050, 72.2523, 75.9811



67.8408, 72.2523, 77.3000



68.8426, 72.2523, 81.4226



69.5132, 72.2523, 80.0570

Sweetspot

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



68.5070, 72.2554, 75.9827



94.4803, 99.5133, 106.6981



67.5929, 70.2183, 76.3216



20.2287, 21.3051, 22.8610



0.0000, 0.0000, 0.0000



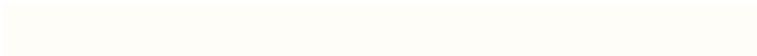
20.3446, 21.4041, 23.3091

Same Dimension

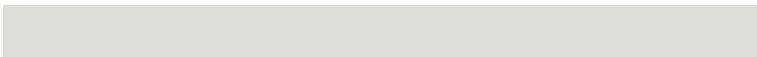
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5070, 72.2554, 75.9827



93.3585, 98.5489, 102.3805



68.3133, 72.5469, 76.0492



15.1170, 15.9703, 16.3930



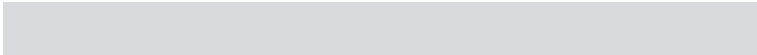
27.4051, 28.2482, 4.0080



1.9593, 2.0774, 0.2977

Inverse Universe

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



66.8713, 70.1672, 79.1271



90.3679, 94.7310, 108.1297



67.0618, 69.8833, 79.0623



14.5118, 15.1978, 17.5563



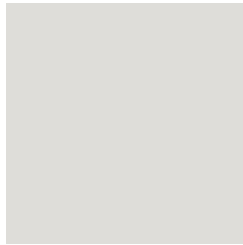
8.4337, 4.3369, 41.4410



0.6476, 0.4266, 2.8935

Previews

White Background



This preview shows how the XYZ color 68.5050, 72.2523, 75.9811 looks on a white background.

Color Contrast Check

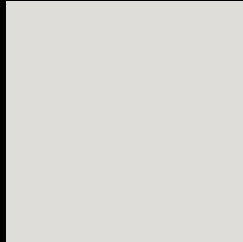
Large Text (above 18pt) WCAG AA × Fail

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 68.5050, 72.2523, 75.9811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

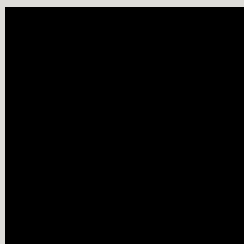
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

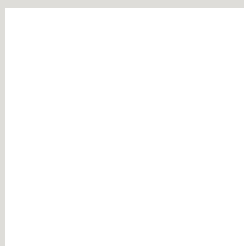
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5050, 72.2523, 75.9811

Background



This preview shows how black text looks on a background with the XYZ color 68.5050, 72.2523, 75.9811.



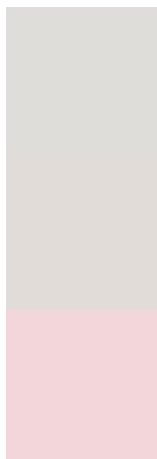
This preview shows how white text looks on a background with the XYZ color 68.5050, 72.2523,

75.9811.

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

68.5050, 72.2523, 75.9811

Protanopia

69.3519, 72.3130, 75.2683

Deuteranopia

73.6636, 72.2098, 76.3851



Tritanopia

71.1181, 72.1485, 88.7750

Trichromacy



Original Color

68.5050, 72.2523, 75.9811

Protanomaly

69.0392, 72.1518, 75.2537

Deuteranomaly

71.7287, 72.3498, 76.5141

Tritanomaly

70.0756, 72.1118, 83.6244

Monochromacy



Original Color

68.5050, 72.2523, 75.9811

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.5935, 72.2524, 78.0410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5050, 72.2523, 75.9811 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(222, 221, 217) looks like.

```
.text, #text, p{  
    color:rgb(222, 221, 217)  
}
```

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(222, 221, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 221, 217) }
```

Border

The CSS property to change the border of an element to XYZ 68.5050, 72.2523, 75.9811 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(222, 221, 217) }
```


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

```
.border{ border-color:rgb(222, 221, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 221, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 221, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 221, 217);  
box-shadow:4px 4px 4px 4px rgb(222, 221,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5050, 72.2523, 75.9811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 221, 217) }
```

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

```
.background{ background-color: rgb(222,  
221, 217) }
```

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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