

Converting Colors

XYZ(68.1600, 72.9155, 78.8065)

Have a look what the booklet for
XYZ(68.1600, 72.9155, 78.8065)
contains.

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Color

**XYZ(68.0541, 72.7475,
78.8615)**

Conversions

Conversions Part 1

Format	Color
Hex	D9DFDD
RGB	217, 223, 221
RGB Percent	85%, 87%, 87%
CMY	0.1490, 0.1255, 0.1333
CMYK	0.03, 0.00, 0.01, 0.13
HSL	160°, 9%, 86%
HSV	160°, 3%, 87%
XYZ	68.0541, 72.7475, 78.8615
YIQ	220.9780, -2.9340, -1.8940

Conversions

Conversions Part 2

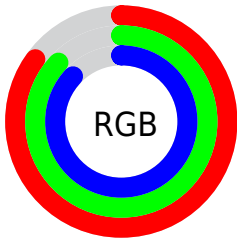
Format	Color
R_{YB}	217, 221, 223
Decimal	14278621
CIE Lab	88.33, -2.38, 0.26
CIE LCh	88, 2.391, 173.661
Yxy	72.7475, 0.3098, 0.3312
Android (android.graphics.Color)	4292468701 (0xFFD9DFDD)
YUV	220.9780, 0.0108, -3.4887
Hunter-Lab	85.2921, -6.8372, 4.8847

Details

The XYZ color **68.0541, 72.7475, 78.8615** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0331, 70.4301, 77.0300**, and the grayscale version is **68.7150, 72.2935, 78.7276**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7859, 38.4398, 41.6099** is the 20% darker color. If you saturate the color by 10%, you get **60.8990, 69.1730, 73.4658**, and if you desaturate by 10%, it is **76.1530, 76.8076, 84.5338**.

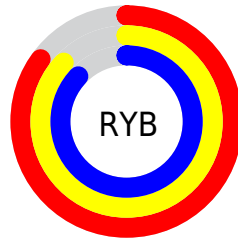
Distribution



Red (85%)

Green (87%)

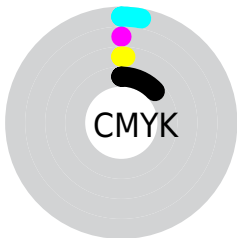
Blue (87%)



Red (85%)

Yellow (87%)

Blue (87%)

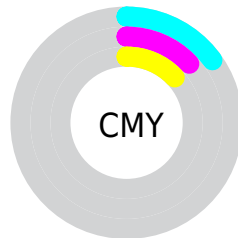


Cyan (3%)

Magenta (0%)

Yellow (1%)

Black (13%)



Cyan (15%)

Magenta (13%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0541, 72.7475, 78.8615 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 68.0541, 72.7475, 78.8615 by changing the saturation by 10% instead.

■ 68.0541, 72.7475,
78.8615

■ 68.0541, 72.7475,
78.8615

443.0614,
470.1392, 510.6929

■ 50.2156, 53.7695,
58.2613

115.4710,
123.1187, 133.5608

■ 35.8032, 38.4174,
41.6027

145.7801,
155.2807, 168.4969

■ 24.4517, 26.3068,
28.4671

180.9768,
192.6061, 209.0488

■ 15.7956, 17.0533,
18.4359

221.4264,
235.4795, 255.6349

■ 9.4695, 10.2725,
11.0907

267.4944,
284.2850, 308.6738

■ 5.1082, 5.5800,
6.0130

319.5459,

■ 2.3463, 2.5914,

339.4073, 368.5841

2.7840

377.9465,
401.2305, 435.7843

■ 0.8182, 0.9224,
0.9855

■ 0.0000, 0.0000,
0.0000

■ 68.0541, 72.7475,
78.8615

■ 68.0541, 72.7475,
78.8615

■ 60.8990, 69.1730,
73.4658

■ 76.1530, 76.8076,
84.5338

■ 54.6452, 66.0561,
68.3373

■ 82.7528, 80.0876,
90.3669

■ 49.2563, 63.3801,
63.4729

■ 83.8563, 80.5290,
96.1779

■ 44.6907, 61.1236,
58.8675

■ 85.0054, 80.9887,
102.2290

■ 40.9034, 59.2636,
54.5158

■ 85.6791, 81.2581,
105.7764

■ 37.8449, 57.7746,
50.4125

■ 35.4599, 56.6280,
46.5516

■ 33.6847, 55.7913,
42.9269

■ 32.4425, 55.2247,
39.5313

Harmonies

Analogous

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



68.2598, 72.7475, 77.3530



68.0541, 72.7475, 78.8615



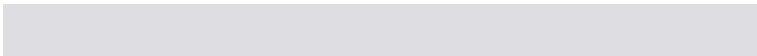
68.1392, 72.7475, 80.4839

Triad

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



68.0541, 72.7475, 78.8615



69.5878, 72.7475, 82.1377



69.7998, 72.7475, 76.6928

Complementary

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



68.0541, 72.7475, 78.8615



68.0331, 70.4301, 77.0300

Split Complementary

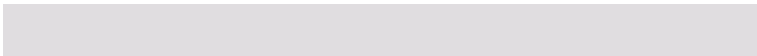
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.1593, 72.7475, 77.9489



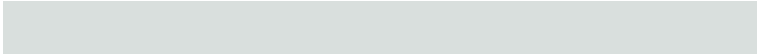
68.0541, 72.7475, 78.8615



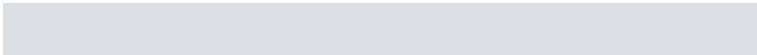
70.0364, 72.7475, 81.0958

Square

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



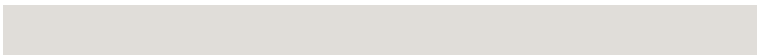
68.0541, 72.7475, 78.8615



69.0226, 72.7475, 82.3902



70.2461, 72.7475, 79.5588



69.2661, 72.7475, 76.1121

Rectangle

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



68.0541, 72.7475, 78.8615



68.3496, 72.7475, 81.4101



70.2461, 72.7475, 79.5588



69.9451, 72.7475, 77.0492

Sweetspot

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



68.0562, 72.7506, 78.8631



93.9813, 99.4649, 108.1364



68.1580, 72.8640, 76.1186



20.1271, 21.2952, 23.1537



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.



68.0562, 72.7506, 78.8631



91.8830, 98.4145, 106.6205



68.0848, 72.3781, 80.1976



14.8185, 15.9438, 17.2496



18.7401, 32.3209, 22.1521



1.3400, 2.2567, 1.7516

Inverse Universe

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



68.0331, 70.4301, 77.0300



91.8480, 94.8918, 103.8378



68.0036, 70.7907, 75.7265



14.8114, 15.2310, 16.6865



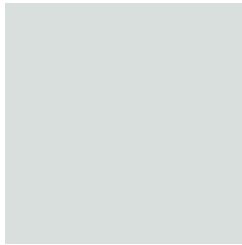
18.6753, 9.5371, 4.9560



1.3350, 0.6773, 0.5572

Previews

White Background



This preview shows how the XYZ color 68.0541, 72.7475, 78.8615 looks on a white background.

Color Contrast Check

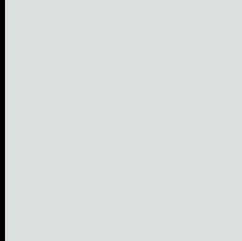
Large Text (above 18pt) WCAG AA × Fail

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 68.0541, 72.7475, 78.8615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

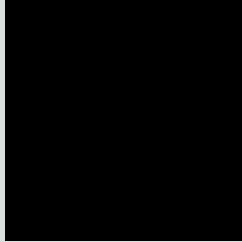
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

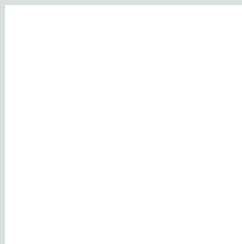
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0541, 72.7475, 78.8615

Background



This preview shows how black text looks on a background with the XYZ color 68.0541, 72.7475, 78.8615.



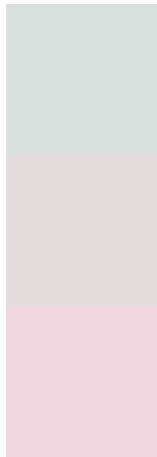
This preview shows how white text looks on a background with the XYZ color 68.0541, 72.7475,

78.8615.

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

68.0541, 72.7475, 78.8615

Protanopia

69.8755, 72.5225, 78.0255

Deuteranopia

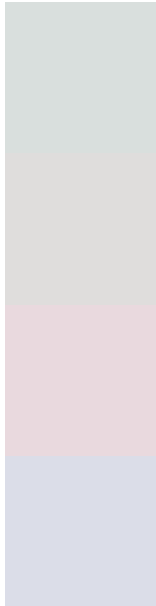
73.9838, 72.2981, 79.8676



Tritanopia

70.5410, 72.5751, 91.1794

Trichromacy



Original Color

68.0541, 72.7475, 78.8615

Protanomaly

69.2061, 72.5682, 78.0697

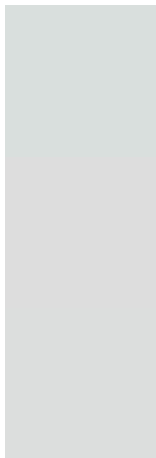
Deuteranomaly

71.6019, 72.2233, 79.2739

Tritanomaly

69.6354, 72.5992, 86.6868

Monochromacy



Original Color

68.0541, 72.7475, 78.8615

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.6876, 72.6787, 78.8148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0541, 72.7475, 78.8615 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, 223, 221) looks like.

```
.text, #text, p{  
    color:rgb(217, 223, 221)  
}
```

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, 223, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 223, 221) }
```

Border

The CSS property to change the border of an element to XYZ 68.0541, 72.7475, 78.8615 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, 223, 221) }
```


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

```
.border{ border-color:rgb(217, 223, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 223, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 223, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 223, 221);  
box-shadow:4px 4px 4px 4px rgb(217, 223,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0541, 72.7475, 78.8615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 223, 221) }
```

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

```
.background{ background-color: rgb(217,  
223, 221) }
```

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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