

Converting Colors

XYZ(68.9016, 72.4841, 79.9378)

Have a look what the booklet for
XYZ(68.9016, 72.4841, 79.9378)
contains.

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Color

**XYZ(68.9945, 72.4128,
80.1527)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDDDF
RGB	221, 221, 223
RGB Percent	87%, 87%, 87%
CMY	0.1333, 0.1333, 0.1255
CMYK	0.01, 0.01, 0.00, 0.13
HSL	240°, 3%, 87%
HSV	240°, 1%, 87%
XYZ	68.9945, 72.4128, 80.1527
YIQ	221.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

Format	Color
R _Y B	221, 221, 223
Decimal	14540255
CIE Lab	88.17, 0.37, -0.99
CIE LCh	88, 1.053, 290.324
Yxy	72.4128, 0.3114, 0.3268
Android (android.graphics.Color)	4292730335 (0xFFDDDDDF)
YUV	221.2280, 0.8736, -0.2000
Hunter-Lab	85.0957, -4.1920, 3.7210

Details

The XYZ color **68.9945, 72.4128, 80.1527** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.8702, 73.6827, 78.9472**, and the grayscale version is **68.8835, 72.4708, 78.9207**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4300, 38.2066, 42.5003** is the 20% darker color. If you saturate the color by 10%, you get **57.1596, 58.1613, 78.0267**, and if you desaturate by 10%, it is **82.5143, 88.6931, 82.5836**.

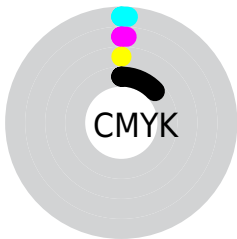
Distribution



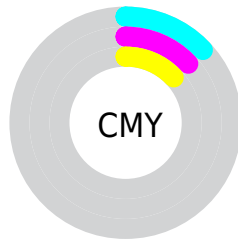
- Red (87%)
- Green (87%)
- Blue (87%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9945, 72.4128, 80.1527 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 68.9945, 72.4128, 80.1527 by changing the saturation by 10% instead.

■ 68.9945, 72.4128,
80.1527

■ 68.9945, 72.4128,
80.1527

446.3333,
468.9771, 515.1676

■ 50.9839, 53.4960,
59.3171

116.8078,
122.6432, 135.3937

■ 36.4168, 38.1988,
42.4468

147.3412,
154.7256, 170.6363

■ 24.9278, 26.1370,
29.1231

182.7796,
191.9653, 211.5182

■ 16.1517, 16.9262,
18.9276

223.4883,
234.7467, 258.4580

■ 9.7231, 10.1819,
11.4417

269.8326,
283.4542, 311.8744

■ 5.2766, 5.5197,
6.2468

322.1780,

■ 2.4469, 2.5553,

338.4722, 372.1857

2.9245

380.8898,
400.1850, 439.8106

■ 0.8685, 0.9043,
1.0562

■ 0.0000, 0.0000,
0.0000

■ 68.9945, 72.4128,
80.1527

■ 68.9945, 72.4128,
80.1527

■ 57.1596, 58.1613,
78.0267

■ 82.5143, 88.6931,
82.5836

■ 46.9376, 45.8503,
76.1892

■ 90.3195, 98.1078,
83.9895

■ 38.2606, 35.3987,
74.6292

■ 31.0535, 26.7162,
73.3332

■ 25.2350, 19.7050,
72.2865

■ 20.7157, 14.2576,
71.4733

■ 17.3960, 10.2544,
70.8756

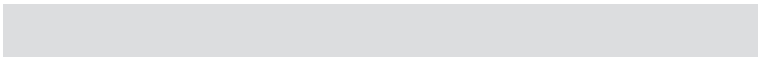
■ 15.1618, 7.5582,
70.4729

■ 13.8770, 6.0055,
70.2409

Harmonies

Analogous

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



68.7448, 72.4128, 80.2201



68.9945, 72.4128, 80.1527



69.1995, 72.4128, 79.7338

Triad

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



68.9945, 72.4128, 80.1527



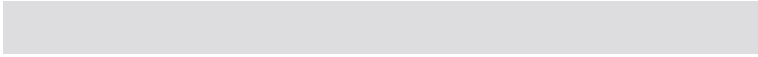
69.1358, 72.4128, 77.7828



68.3500, 72.4128, 78.6124

Complementary

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



68.9945, 72.4128, 80.1527



69.8702, 73.6827, 78.9472

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.



68.4542, 72.4128, 77.9632



68.9945, 72.4128, 80.1527



68.9076, 72.4128, 77.4862

Square

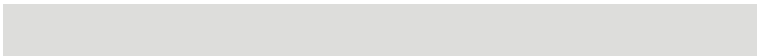
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



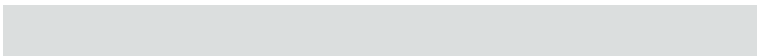
68.9945, 72.4128, 80.1527



69.2812, 72.4128, 78.3646



68.6582, 72.4128, 77.5521



68.3732, 72.4128, 79.3278

Rectangle

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



68.9945, 72.4128, 80.1527



69.2831, 72.4128, 79.3130



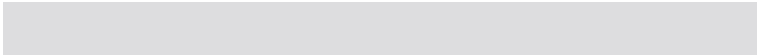
68.6582, 72.4128, 77.5521



68.3713, 72.4128, 78.3793

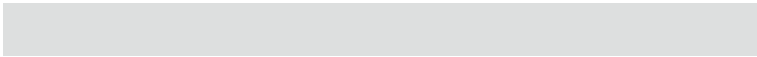
Sweetspot

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



68.9966, 72.4159, 80.1543

95.0500, 100.0000, 108.9000



69.5223, 73.4745, 80.3073



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

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



68.9966, 72.4159, 80.1543



93.3116, 97.9066, 108.5876



69.2907, 72.5659, 80.1677



15.1944, 15.9453, 17.6646



7.8354, 3.1404, 41.2415



0.5439, 0.2193, 2.8589

Inverse Universe

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



69.3406, 72.6226, 78.7733



93.8348, 98.2210, 106.4870



69.5743, 73.5318, 78.9336



15.2742, 15.9933, 17.3441



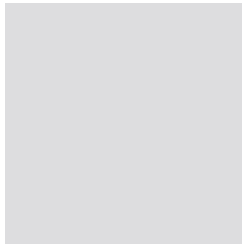
17.8952, 9.2251, 0.8477



1.2408, 0.6396, 0.0609

Previews

White Background



This preview shows how the XYZ color 68.9945, 72.4128, 80.1527 looks on a white background.

Color Contrast Check

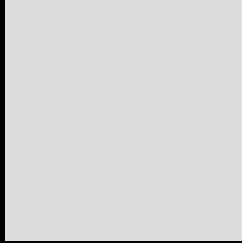
Large Text (above 18pt) WCAG AA × Fail

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 68.9945, 72.4128, 80.1527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

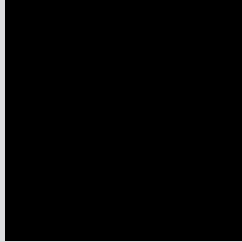
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

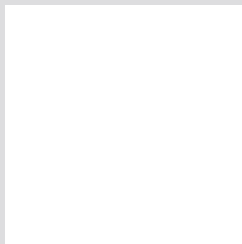
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9945, 72.4128, 80.1527

Background



This preview shows how black text looks on a background with the XYZ color 68.9945, 72.4128, 80.1527.

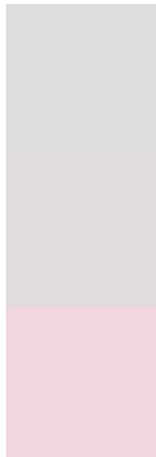


This preview shows how white text looks on a background with the XYZ color 68.9945, 72.4128,

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

68.9945, 72.4128, 80.1527

Protanopia

69.5185, 72.3076, 79.4000

Deuteranopia

73.7767, 72.1757, 80.5639



Tritanopia

70.9033, 72.4071, 89.5959

Trichromacy



Original Color

68.9945, 72.4128, 80.1527

Protanomaly

69.2094, 72.1483, 79.3855

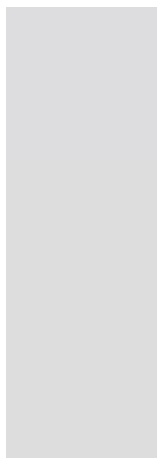
Deuteranomaly

72.1991, 72.5000, 80.7096

Tritanomaly

70.1412, 72.4855, 85.8956

Monochromacy



Original Color

68.9945, 72.4128, 80.1527

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.8601, 72.3590, 79.4446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9945, 72.4128, 80.1527 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, 221, 223) looks like.

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

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, 221, 223) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 68.9945, 72.4128, 80.1527 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, 221, 223) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 68.9945, 72.4128, 80.1527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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