

Converting Colors

XYZ(68.2645, 70.8457, 96.2467)

Have a look what the booklet for
XYZ(68.2645, 70.8457, 96.2467)
contains.

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Color

**XYZ(68.3913, 70.9572,
96.4777)**

Conversions

Conversions Part 1

Format	Color
Hex	D2DBF5
RGB	210, 219, 245
RGB Percent	82%, 86%, 96%
CMY	0.1765, 0.1412, 0.0392
CMYK	0.14, 0.11, 0.00, 0.04
HSL	225°, 64%, 89%
HSV	225°, 14%, 96%
XYZ	68.3913, 70.9572, 96.4777
YIQ	219.2730, -13.7100, 6.1780

Conversions

Conversions Part 2

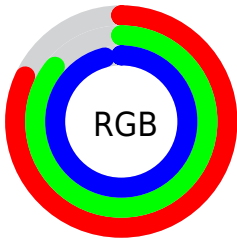
Format	Color
R _{YB}	210, 217, 245
Decimal	13818869
CIE Lab	87.46, 2.08, -13.71
CIE LCh	87, 13.867, 278.632
Yxy	70.9572, 0.2900, 0.3009
Android (android.graphics.Color)	4292008949 (0xFFD2DBF5)
YUV	219.2730, 12.6834, -8.1324
Hunter-Lab	84.2361, -2.4890, -8.9410

Details

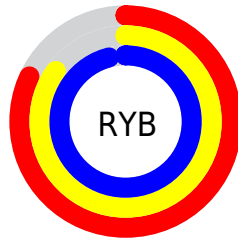
The XYZ color **68.3913, 70.9572, 96.4777** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.2851, 84.0564, 73.0201**, and the grayscale version is **67.4447, 70.9570, 77.2722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9783, 37.1936, 53.4269** is the 20% darker color. If you saturate the color by 10%, you get **57.4522, 58.6526, 94.6804**, and if you desaturate by 10%, it is **80.9216, 84.8563, 98.5012**.

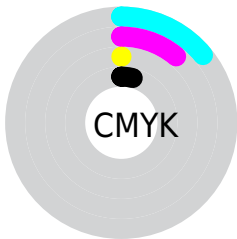
Distribution



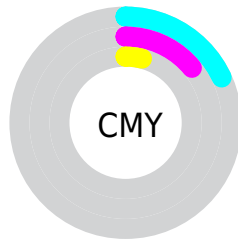
- Red (82%)
- Green (86%)
- Blue (96%)



- Red (82%)
- Yellow (85%)
- Blue (96%)



- Cyan (14%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (18%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3913, 70.9572, 96.4777 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 68.3913, 70.9572, 96.4777 by changing the saturation by 10% instead.

■ 68.3913, 70.9572,
96.4777

■ 68.3913, 70.9572,
96.4777

444.2362,
463.9038, 569.9897

■ 50.4910, 52.3073,
72.7618

115.9506,
120.5728, 158.3176

■ 36.0231, 37.2501,
53.2906

146.3403,
152.3072, 197.2787

■ 24.6222, 25.4012,
37.6455

181.6238,
189.1720, 242.1587

■ 15.9230, 16.3762,
25.4080

222.1665,
231.5514, 293.3760

■ 9.5602, 9.7907,
16.1595

268.3337,
279.8299, 351.3492

■ 5.1684, 5.2604,
9.4815

320.4908,

■ 2.3822, 2.4009,

334.3918, 416.4969

4.9555

379.0032,
395.6217, 489.2375

■ 0.8362, 0.8263,
2.1629

■ 0.0000, 0.0000,
0.6528

■ 68.3913, 70.9572,
96.4777

■ 68.3913, 70.9572,
96.4777

■ 57.4522, 58.6526,
94.6804

■ 80.9216, 84.8563,
98.5012

■ 48.0328, 47.8754,
93.0966

■ 93.4816, 99.3727,
100.6412

■ 40.0656, 38.5668,
91.7198

■ 33.4755, 30.6605,
90.5411

■ 28.1800, 24.0849,
89.5509

■ 24.0876, 18.7614,
88.7391

■ 21.0936, 14.6023,
88.0941

■ 19.0729, 11.5062,
87.6030

■ 18.2602, 10.1497,
87.3840

Harmonies

Analogous

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



65.1763, 70.9572, 95.2831



68.3913, 70.9572, 96.4777



71.4471, 70.9572, 92.2070

Triad

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



68.3913, 70.9572, 96.4777



72.4775, 70.9572, 66.5489



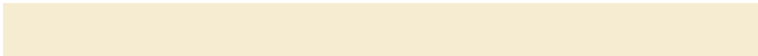
61.7520, 70.9572, 70.8797

Complementary

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



68.3913, 70.9572, 96.4777



79.2851, 84.0564, 73.0201

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.



63.5908, 70.9572, 64.0230



68.3913, 70.9572, 96.4777



69.7610, 70.9572, 61.6668

Square

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



68.3913, 70.9572, 96.4777



73.8557, 70.9572, 74.5876



66.5029, 70.9572, 60.7810



61.4121, 70.9572, 79.9961

Rectangle

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



68.3913, 70.9572, 96.4777



72.9582, 70.9572, 87.0236



66.5029, 70.9572, 60.7810



62.2124, 70.9572, 68.2560

Sweetspot

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



68.3934, 70.9601, 96.4793



89.0269, 93.3774, 107.9392



74.3240, 85.0445, 91.6024



18.8199, 19.7270, 23.0657



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.



68.3934, 70.9601, 96.4793



71.4349, 73.8338, 105.0941



68.4928, 67.6185, 95.8290



15.9276, 16.6195, 20.9110



9.9310, 5.6557, 47.1063



0.9524, 0.6562, 4.1667

Inverse Universe

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



73.4907, 70.6218, 76.7791



77.9884, 73.4891, 79.7453



79.1560, 87.9351, 73.7756



16.6740, 16.5525, 18.0301



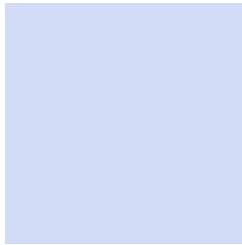
20.8172, 10.6703, 3.7458



1.8698, 0.9539, 0.5407

Previews

White Background



This preview shows how the XYZ color 68.3913, 70.9572, 96.4777 looks on a white background.

Color Contrast Check

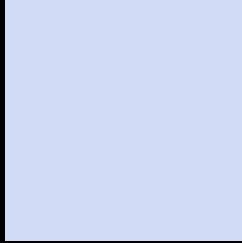
Large Text (above 18pt) WCAG AA × Fail

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 68.3913, 70.9572, 96.4777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

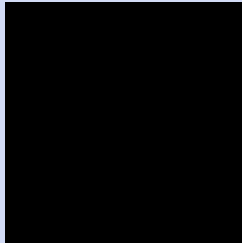
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3913, 70.9572, 96.4777

Background



This preview shows how black text looks on a background with the XYZ color 68.3913, 70.9572, 96.4777.



This preview shows how white text looks on a background with the XYZ color 68.3913, 70.9572,

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

68.3913, 70.9572, 96.4777

Protanopia

69.4609, 70.7563, 95.5843

Deuteranopia

72.4237, 70.7363, 97.0251



Tritanopia

67.3203, 70.9148, 91.0287

Trichromacy



Original Color

68.3913, 70.9572, 96.4777

Protanomaly

69.1321, 70.9706, 95.6430

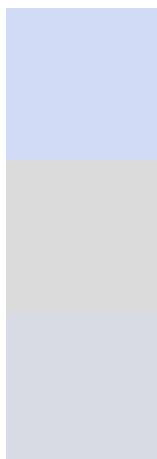
Deuteranomaly

70.7538, 70.6269, 97.0920

Tritanomaly

67.7649, 71.0926, 93.3697

Monochromacy



Original Color

68.3913, 70.9572, 96.4777

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.6540, 70.8634, 83.5110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3913, 70.9572, 96.4777 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(210, 219, 245)` looks like.

```
.text, #text, p{  
    color:rgb(210, 219, 245)  
}
```

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(210, 219, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 219, 245) }
```

Border

The CSS property to change the border of an element to XYZ 68.3913, 70.9572, 96.4777 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(210, 219, 245) }
```


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

```
.border{ border-color:rgb(210, 219, 245) }
```

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

Here you see how a box with a 4 pixel rgb(210, 219, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 219, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 219, 245);  
box-shadow:4px 4px 4px 4px rgb(210, 219,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3913, 70.9572, 96.4777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 219, 245) }
```

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

```
.background{ background-color: rgb(210,  
219, 245) }
```

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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