

Converting Colors

XYZ(48.7295, 51.5693, 69.5416)

Have a look what the booklet for
XYZ(48.7295, 51.5693, 69.5416)
contains.

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Color

**XYZ(48.8648, 51.7999,
69.7103)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C0D4
RGB	177, 192, 212
RGB Percent	69%, 75%, 83%
CMY	0.3059, 0.2470, 0.1686
CMYK	0.17, 0.09, 0.00, 0.17
HSL	214°, 29%, 76%
HSV	214°, 17%, 83%
XYZ	48.8648, 51.7999, 69.7103
YIQ	189.7950, -15.3600, 3.0400

Conversions

Conversions Part 2

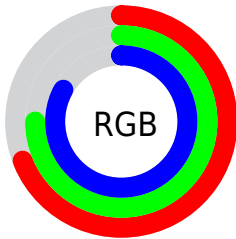
Format	Color
RYB	177, 188, 212
Decimal	11649236
CIELab	77.16, -1.01, -11.75
CIELCh	77, 11.796, 265.103
Yxy	51.7999, 0.2868, 0.3040
Android (android.graphics.Color)	4289839316 (0xFFB1C0D4)
YUV	189.7950, 10.9471, -11.2212
Hunter-Lab	71.9721, -4.7604, -7.0462

Details

The XYZ color **48.8648, 51.7999, 69.7103** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.0538, 57.1038, 49.7166**, and the grayscale version is **48.7723, 51.3122, 55.8790**.

A 20% lighter version of the original color is **85.2217, 91.6784, 107.8118**, and **23.6306, 25.1846, 35.5139** is the 20% darker color. If you saturate the color by 10%, you get **41.8552, 44.4004, 68.6523**, and if you desaturate by 10%, it is **56.8466, 60.0282, 70.8787**.

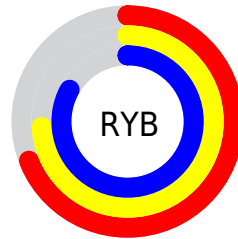
Distribution



Red (69%)

Green (75%)

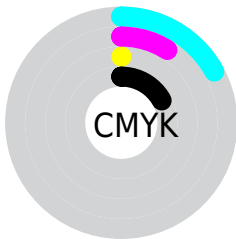
Blue (83%)



Red (69%)

Yellow (74%)

Blue (83%)

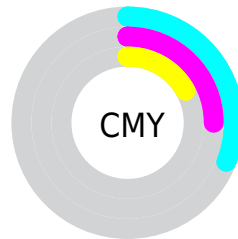


Cyan (17%)

Magenta (9%)

Yellow (0%)

Black (17%)



Cyan (31%)

Magenta (25%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8648, 51.7999, 69.7103 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 48.8648, 51.7999, 69.7103 by changing the saturation by 10% instead.

■ 48.8648, 51.7999,
69.7103

■ 48.8648, 51.7999,
69.7103

372.7356,
393.6636, 478.2938

■ 34.7263, 36.8456,
50.8150

■ 87.6925, 92.8361,
120.4728

■ 23.6177, 25.0880,
35.6857

113.1125,
119.6867, 153.1771

■ 15.1734, 16.1426,
23.9038

143.0238,
151.2716, 191.3215

■ 9.0283, 9.6251,
15.0507

177.7916,
187.9752, 235.3245

■ 4.8169, 5.1511,
8.7080

217.7813,
230.1818, 285.6047

■ 2.1739, 2.3362,
4.4570

263.3583,

■ 0.7289, 0.7928,

278.2758, 342.5806

1.8793

314.8880,
332.6416, 406.6708

■ 0.0000, 0.0000,
0.4795

■ 0.0000, 0.0000,
0.0000

■ 48.8648, 51.7999,
69.7103

■ 48.8648, 51.7999,
69.7103

■ 41.8552, 44.4004,
68.6523

■ 56.8466, 60.0282,
70.8787

■ 35.7733, 37.7950,
67.6979

■ 65.8333, 69.1058,
72.1572

■ 30.5781, 31.9558,
66.8447

■ 75.8617, 79.0601,
73.5500

■ 26.2233, 26.8506,
66.0888

■ 84.4182, 88.6024,
74.9408

■ 22.6580, 22.4442,
65.4262

■ 88.1131, 95.9920,
76.1725

■ 19.8253, 18.6982,
64.8524

■ 88.8838, 97.5335,
76.4294

■ 17.6594, 15.5691,
64.3626

■ 16.0778, 13.0040,
63.9508

■ 15.6140, 12.2139,
63.8228

Harmonies

Analogous

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



46.7934, 51.7999, 67.2194



48.8648, 51.7999, 69.7103



51.0981, 51.7999, 68.4188

Triad

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



48.8648, 51.7999, 69.7103



53.2688, 51.7999, 51.2920



45.7606, 51.7999, 49.5867

Complementary

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



48.8648, 51.7999, 69.7103



55.0538, 57.1038, 49.7166

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.



47.4163, 51.7999, 45.8804



48.8648, 51.7999, 69.7103



51.7585, 51.7999, 46.8110

Square

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



48.8648, 51.7999, 69.7103



53.6851, 51.7999, 57.4687



49.6056, 51.7999, 44.9042



45.0365, 51.7999, 55.3472

Rectangle

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



48.8648, 51.7999, 69.7103



52.3723, 51.7999, 65.6347



49.6056, 51.7999, 44.9042



46.2242, 51.7999, 48.0772

Sweetspot

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



48.8664, 51.8020, 69.7115



88.2337, 93.1013, 107.9277



51.7349, 60.4586, 61.6672



18.6874, 19.7257, 23.0725



0.0000, 0.0000, 0.0000



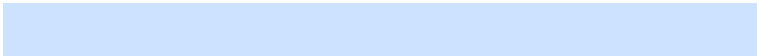
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8664, 51.8020, 69.7115



70.1103, 74.3744, 105.2682



46.2744, 45.8224, 68.6939



12.1759, 12.8753, 15.7810



9.7343, 7.7304, 39.4322



0.6684, 0.6287, 2.4054

Inverse Universe

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



52.3892, 49.2483, 56.6163



76.5412, 69.9291, 81.3149



57.9637, 63.9150, 50.8779



12.6420, 12.5083, 14.0550



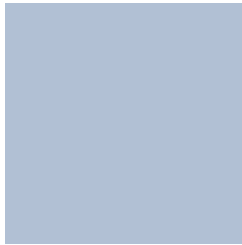
17.9723, 9.1252, 7.1581



1.1250, 0.5668, 0.6476

Previews

White Background



This preview shows how the XYZ color 48.8648, 51.7999, 69.7103 looks on a white background.

Color Contrast Check

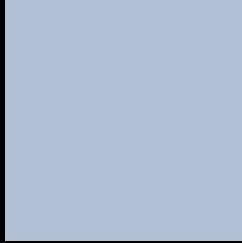
Large Text (above 18pt) WCAG AA × Fail

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 48.8648, 51.7999, 69.7103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

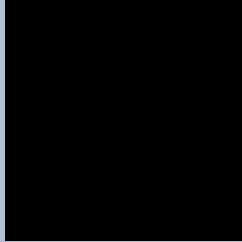
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8648, 51.7999, 69.7103

Background



This preview shows how black text looks on a background with the XYZ color 48.8648, 51.7999, 69.7103.



This preview shows how white text looks on a background with the XYZ color 48.8648, 51.7999,

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

48.8648, 51.7999, 69.7103

Protanopia

50.5695, 51.7397, 68.2942

Deuteranopia

52.6479, 51.5078, 70.1179



Tritanopia

48.3596, 51.9241, 67.1480

Trichromacy



Original Color

48.8648, 51.7999, 69.7103

Protanomaly

49.9385, 51.7204, 68.9790

Deuteranomaly

51.2287, 51.7177, 70.2333

Tritanomaly

48.4831, 51.9735, 67.7982

Monochromacy



Original Color

48.8648, 51.7999, 69.7103

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.8314, 51.6531, 60.8224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8648, 51.7999, 69.7103 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(177, 192, 212)` looks like.

```
.text, #text, p{  
    color:rgb(177, 192, 212)  
}
```

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(177, 192, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 192, 212) }
```

Border

The CSS property to change the border of an element to XYZ 48.8648, 51.7999, 69.7103 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(177, 192, 212) }
```


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

```
.border{ border-color:rgb(177, 192, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 192, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 192, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 192, 212);  
box-shadow:4px 4px 4px 4px rgb(177, 192,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8648, 51.7999, 69.7103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 192, 212) }
```

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

```
.background{ background-color: rgb(177,  
192, 212) }
```

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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