

Converting Colors

XYZ(47.7539, 49.9316, 69.3892)

Have a look what the booklet for
XYZ(47.7539, 49.9316, 69.3892)
contains.

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Color

**XYZ(47.7714, 49.9500,
69.4108)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BCD4
RGB	176, 188, 212
RGB Percent	69%, 74%, 83%
CMY	0.3098, 0.2627, 0.1686
CMYK	0.17, 0.11, 0.00, 0.17
HSL	220°, 30%, 76%
HSV	220°, 17%, 83%
XYZ	47.7714, 49.9500, 69.4108
YIQ	187.1480, -14.8560, 4.9200

Conversions

Conversions Part 2

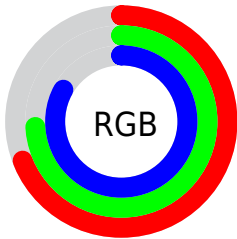
Format	Color
RYB	176, 185, 212
Decimal	11582676
CIELab	76.04, 0.82, -13.44
CIELCh	76, 13.466, 273.496
Yxy	49.9500, 0.2858, 0.2989
Android (android.graphics.Color)	4289772756 (0xFFB0BCD4)
YUV	187.1480, 12.2520, -9.7768
Hunter-Lab	70.6753, -3.0287, -8.7565

Details

The XYZ color **47.7714, 49.9500, 69.4108** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.6426, 58.4402, 49.4229**, and the grayscale version is **47.2578, 49.7189, 54.1439**.

A 20% lighter version of the original color is **83.6794, 89.0772, 107.3910**, and **22.9182, 23.9732, 35.3177** is the 20% darker color. If you saturate the color by 10%, you get **40.4747, 41.9251, 68.2472**, and if you desaturate by 10%, it is **56.1153, 58.9562, 70.7102**.

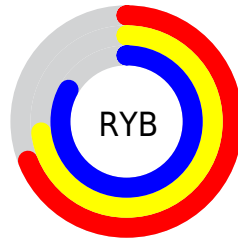
Distribution



Red (69%)

Green (74%)

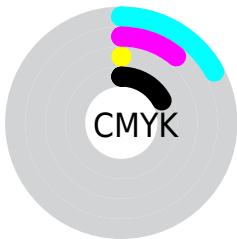
Blue (83%)



Red (69%)

Yellow (73%)

Blue (83%)

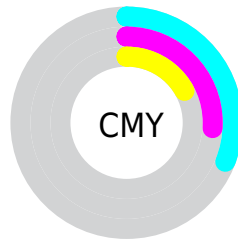


Cyan (17%)

Magenta (11%)

Yellow (0%)

Black (17%)



Cyan (31%)

Magenta (26%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7714, 49.9500, 69.4108 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 47.7714, 49.9500, 69.4108 by changing the saturation by 10% instead.

■ 47.7714, 49.9500,
69.4108

■ 47.7714, 49.9500,
69.4108

368.4830,
386.4704, 477.2116

■ 33.8564, 35.3737,
50.5725

■ 86.0757, 90.1008,
120.0414

■ 22.9457, 23.9509,
35.4941

111.1957,
116.4440, 152.6707

■ 14.6739, 15.2972,
23.7572

140.7814,
147.4784, 190.7341

■ 8.6756, 9.0282,
14.9431

175.1982,
183.5882, 234.6502

■ 4.5856, 4.7596,
8.6333

214.8114,
225.1579, 284.8374

■ 2.0385, 2.1069,
4.4092

259.9863,

■ 0.6554, 0.6685,

272.5720, 341.7144

1.8524

311.0884,
326.2146, 405.6996

■ 0.0000, 0.0000,
0.4622

■ 0.0000, 0.0000,
0.0000

■ 47.7714, 49.9500,
69.4108

■ 47.7714, 49.9500,
69.4108

■ 40.4747, 41.9251,
68.2472

■ 56.1153, 58.9562,
70.7102

■ 34.1777, 34.8407,
67.2117

■ 65.5425, 68.9705,
72.1463

■ 28.8356, 28.6617,
66.3006

■ 76.0927, 80.0262,
73.7242

■ 24.3984, 23.3485,
65.5089

■ 85.6350, 91.0360,
75.3464

■ 20.8111, 18.8584,
64.8313

■ 88.8838, 97.5335,
76.4293

■ 18.0121, 15.1441,
64.2619

■ 15.9308, 12.1527,
63.7942

■ 14.4764, 9.8197,
63.4205

■ 14.1167, 9.2193,
63.3236

Harmonies

Analogous

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



45.3510, 49.9500, 67.7426



47.7714, 49.9500, 69.4108



50.1944, 49.9500, 66.7698

Triad

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



47.7714, 49.9500, 69.4108



51.6228, 49.9500, 47.0981



43.2796, 49.9500, 48.4392

Complementary

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



47.7714, 49.9500, 69.4108



55.6426, 58.4402, 49.4229

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.



44.8575, 49.9500, 43.6385



47.7714, 49.9500, 69.4108



49.6663, 49.9500, 42.9135

Square

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



47.7714, 49.9500, 69.4108



52.4669, 49.9500, 53.5471



47.1818, 49.9500, 41.7045



42.8120, 49.9500, 55.2358

Rectangle

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



47.7714, 49.9500, 69.4108



51.4691, 49.9500, 63.0465



47.1818, 49.9500, 41.7045



43.6949, 49.9500, 46.5593

Sweetspot

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



47.7729, 49.9521, 69.4119



87.8621, 92.3581, 107.8038



51.8043, 60.4601, 63.2172



18.5972, 19.5453, 23.0424



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.



47.7729, 49.9521, 69.4119



68.8091, 71.7718, 104.8345



46.5601, 45.6775, 68.6508



12.0775, 12.6784, 15.7481



8.7975, 5.8569, 39.1200



0.6057, 0.5034, 2.3845

Inverse Universe

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



51.7550, 48.6798, 54.2476



75.8844, 69.6663, 77.8561



57.0013, 63.4303, 50.3145



12.5923, 12.4884, 13.7934



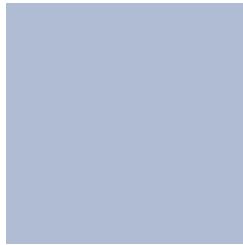
17.4994, 8.9361, 4.6682



1.0934, 0.5541, 0.4811

Previews

White Background



This preview shows how the XYZ color 47.7714, 49.9500, 69.4108 looks on a white background.

Color Contrast Check

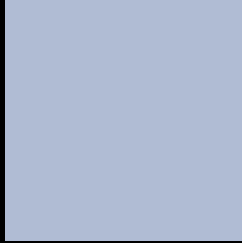
Large Text (above 18pt) WCAG AA × Fail

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 47.7714, 49.9500, 69.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

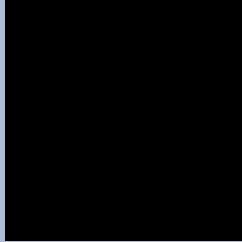
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7714, 49.9500, 69.4108

Background



This preview shows how black text looks on a background with the XYZ color 47.7714, 49.9500, 69.4108.



This preview shows how white text looks on a background with the XYZ color 47.7714, 49.9500,

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

47.7714, 49.9500, 69.4108

Protanopia

49.0839, 50.0113, 68.6942

Deuteranopia

50.7305, 49.5974, 69.8503



Tritanopia

46.7759, 49.8688, 64.2870

Trichromacy



Original Color

47.7714, 49.9500, 69.4108

Protanomaly

48.5843, 50.0676, 68.7314

Deuteranomaly

49.6442, 49.6499, 69.9176

Tritanomaly

47.1393, 50.0141, 66.2007

Monochromacy



Original Color

47.7714, 49.9500, 69.4108

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.2626, 49.5934, 59.3060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7714, 49.9500, 69.4108 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(176, 188, 212)` looks like.

```
.text, #text, p{  
    color:rgb(176, 188, 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(176, 188, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 188, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.7714, 49.9500, 69.4108 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(176, 188, 212) }
```


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

```
.border{ border-color:rgb(176, 188, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 188, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 188, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 188, 212);  
box-shadow:4px 4px 4px 4px rgb(176, 188,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7714, 49.9500, 69.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 188, 212) }
```

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

```
.background{ background-color: rgb(176,  
188, 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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