

Converting Colors

XYZ(46.8266, 49.9088, 64.7726)

Have a look what the booklet for
XYZ(46.8266, 49.9088, 64.7726)
contains.

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Color

**XYZ(46.8962, 49.9169,
64.9208)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBDCD
RGB	175, 189, 205
RGB Percent	69%, 74%, 80%
CMY	0.3137, 0.2588, 0.1961
CMYK	0.15, 0.08, 0.00, 0.20
HSL	212°, 23%, 75%
HSV	212°, 15%, 80%
XYZ	46.8962, 49.9169, 64.9208
YIQ	186.6380, -13.4800, 2.0080

Conversions

Conversions Part 2

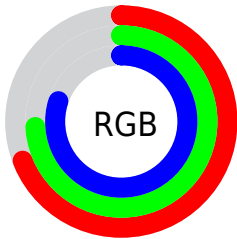
Format	Color
R_{YB}	175, 185, 205
Decimal	11517389
CIE _{Lab}	76.02, -1.53, -9.68
CIE _{LCh}	76, 9.802, 260.997
Yxy	49.9169, 0.2900, 0.3086
Android (android.graphics.Color)	4289707469 (0xFFAFBDCD)
YUV	186.6380, 9.0525, -10.2065
Hunter-Lab	70.6519, -5.1589, -5.0242

Details

The XYZ color **46.8962, 49.9169, 64.9208** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.5458, 53.3357, 48.1364**, and the grayscale version is **46.9875, 49.4345, 53.8342**.

A 20% lighter version of the original color is **83.6574, 89.5137, 107.4764**, and **22.4161, 23.9803, 32.7254** is the 20% darker color. If you saturate the color by 10%, you get **40.3765, 43.1968, 63.9681**, and if you desaturate by 10%, it is **54.2946, 57.3557, 65.9675**.

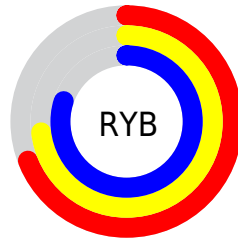
Distribution



Red (69%)

Green (74%)

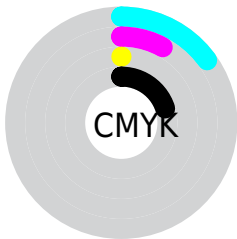
Blue (80%)



Red (69%)

Yellow (73%)

Blue (80%)

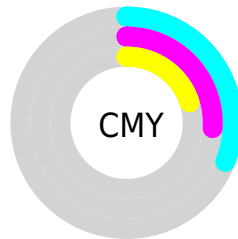


Cyan (15%)

Magenta (8%)

Yellow (0%)

Black (20%)



Cyan (31%)

Magenta (26%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8962, 49.9169, 64.9208 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 46.8962, 49.9169, 64.9208 by changing the saturation by 10% instead.

■ 46.8962, 49.9169,
64.9208

■ 46.8962, 49.9169,
64.9208

365.0559,
386.3409, 460.8057

■ 33.1612, 35.3474,
46.9459

■ 84.7783, 90.0517,
113.5482

■ 22.4098, 23.9306,
32.6389

109.6562,
116.3858, 145.0377

■ 14.2766, 15.2821,
21.5811

138.9791,
147.4103, 181.8693

■ 8.3963, 9.0176,
13.3541

173.1123,
183.5094, 224.4614

■ 4.4035, 4.7527,
7.5392

212.4212,
225.0676, 273.2325

■ 1.9328, 2.1029,
3.7180

257.2712,

■ 0.5958, 0.6663,

272.4693, 328.6013

1.4720

308.0277,
326.0990, 390.9862

■ 0.0000, 0.0000,
0.1969

■ 0.0000, 0.0000,
0.0000

■ 46.8962, 49.9169,
64.9208

■ 46.8962, 49.9169,
64.9208

■ 40.3765, 43.1968,
63.9681

■ 54.2946, 57.3557,
65.9675

■ 34.6959, 37.1654,
63.1033

■ 62.6004, 65.5298,
67.1075

■ 29.8179, 31.7991,
62.3246

■ 71.8466, 74.4627,
68.3444

■ 25.7018, 27.0708,
61.6289

■ 81.3223, 83.7933,
69.6459

■ 22.3026, 22.9509,
61.0129

■ 84.5088, 90.1662,
70.7081

■ 19.5703, 19.4069,
60.4728

■ 87.8902, 96.9290,
71.8352

■ 17.4474, 16.4021,
60.0047

■ 88.0196, 97.1878,
71.8784

■ 15.8650, 13.8937,
59.6039

■ 15.1738, 12.7162,
59.4131

Harmonies

Analogous

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



45.2649, 49.9169, 62.5619



46.8962, 49.9169, 64.9208



48.7162, 49.9169, 64.3093

Triad

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



46.8962, 49.9169, 64.9208



50.8050, 49.9169, 50.8205



44.7630, 49.9169, 48.2540

Complementary

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



46.8962, 49.9169, 64.9208



51.5458, 53.3357, 48.1364

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.



46.1952, 49.9169, 45.4778



46.8962, 49.9169, 64.9208



49.6930, 49.9169, 46.8920

Square

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



46.8962, 49.9169, 64.9208



51.0043, 49.9169, 55.9427



47.9971, 49.9169, 44.9957



44.0543, 49.9169, 52.7898

Rectangle

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



46.8962, 49.9169, 64.9208



49.7898, 49.9169, 62.3146



47.9971, 49.9169, 44.9957



45.1741, 49.9169, 47.0966

Sweetspot

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



46.8977, 49.9190, 64.9219



89.6858, 94.6951, 108.1588



48.8604, 56.5171, 57.3367



18.9864, 20.0599, 23.1212



0.0000, 0.0000, 0.0000



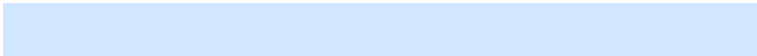
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8977, 49.9190, 64.9219



72.8156, 77.6756, 105.7628



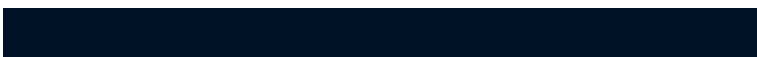
44.1420, 44.2406, 63.9711



11.0262, 11.6928, 14.2462



9.5394, 8.1029, 37.0175



0.5678, 0.5694, 1.9349

Inverse Universe

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



49.6933, 47.3143, 54.6599



78.4216, 72.6527, 85.1394



54.6091, 59.6667, 49.1970



11.4266, 11.2994, 12.7810



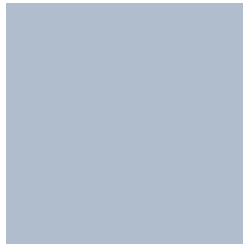
17.0260, 8.6210, 7.8554



0.9166, 0.4600, 0.6065

Previews

White Background



This preview shows how the XYZ color 46.8962, 49.9169, 64.9208 looks on a white background.

Color Contrast Check

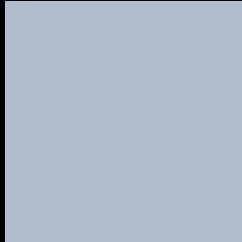
Large Text (above 18pt) WCAG AA × Fail

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 46.8962, 49.9169, 64.9208 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 46.8962, 49.9169, 64.9208

Background



This preview shows how black text looks on a background with the XYZ color 46.8962, 49.9169, 64.9208.



This preview shows how white text looks on a background with the XYZ color 46.8962, 49.9169,

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

46.8962, 49.9169, 64.9208

Protanopia

48.5881, 49.8687, 63.5647

Deuteranopia

50.6335, 49.6479, 65.3068



Tritanopia

46.7759, 49.8688, 64.2870

Trichromacy



Original Color

46.8962, 49.9169, 64.9208

Protanomaly

47.9608, 49.8454, 64.2201

Deuteranomaly

49.2286, 49.8455, 65.4190

Tritanomaly

46.7759, 49.8688, 64.2870

Monochromacy



Original Color

46.8962, 49.9169, 64.9208

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.2493, 49.9288, 58.1858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8962, 49.9169, 64.9208 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(175, 189, 205)` looks like.

```
.text, #text, p{  
    color:rgb(175, 189, 205)  
}
```

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(175, 189, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 189, 205) }
```

Border

The CSS property to change the border of an element to XYZ 46.8962, 49.9169, 64.9208 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(175, 189, 205) }
```


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

```
.border{ border-color:rgb(175, 189, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 189, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 189, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 189, 205); box-shadow:4px 4px 4px 4px rgb(175, 189, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8962, 49.9169, 64.9208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 189, 205) }
```

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

```
.background{ background-color: rgb(175,  
189, 205) }
```

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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