

Converting Colors

XYZ(46.8600, 49.2030, 64.1541)

Have a look what the booklet for
XYZ(46.8600, 49.2030, 64.1541)
contains.

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Color

**XYZ(46.8009, 49.2474,
64.1658)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BBCC
RGB	177, 187, 204
RGB Percent	69%, 73%, 80%
CMY	0.3059, 0.2667, 0.2000
CMYK	0.13, 0.08, 0.00, 0.20
HSL	218°, 21%, 75%
HSV	218°, 13%, 80%
XYZ	46.8009, 49.2474, 64.1658
YIQ	185.9480, -11.4170, 3.1670

Conversions

Conversions Part 2

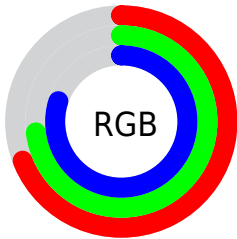
Format	Color
R _Y B	177, 184, 204
Decimal	11647948
CIE Lab	75.60, -0.02, -9.74
CIE LCh	76, 9.739, 269.880
Yxy	49.2474, 0.2921, 0.3074
Android (android.graphics.Color)	4289838028 (0xFFB1BBCC)
YUV	185.9480, 8.8996, -7.8474
Hunter-Lab	70.1765, -3.7667, -5.0882

Details

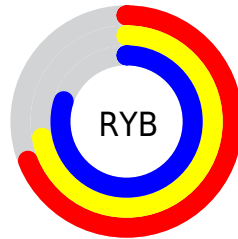
The XYZ color **46.8009, 49.2474, 64.1658** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.1298, 54.5951, 49.3864**, and the grayscale version is **46.6006, 49.0274, 53.3908**.

A 20% lighter version of the original color is **83.7049, 88.6448, 107.3062**, and **22.3423, 23.5373, 32.2197** is the 20% darker color. If you saturate the color by 10%, you get **39.8936, 41.8223, 63.0975**, and if you desaturate by 10%, it is **54.6495, 57.5220, 65.3501**.

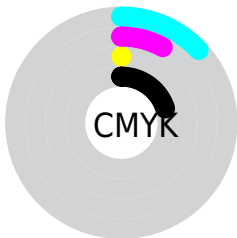
Distribution



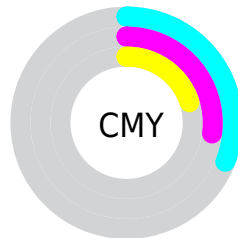
- Red (69%)
- Green (73%)
- Blue (80%)



- Red (69%)
- Yellow (72%)
- Blue (80%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (31%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8009, 49.2474, 64.1658 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 46.8009, 49.2474, 64.1658 by changing the saturation by 10% instead.

■ 46.8009, 49.2474,
64.1658

■ 46.8009, 49.2474,
64.1658

364.6814,
383.7155, 458.0120

■ 33.0856, 34.8158,
46.3379

■ 84.6369, 89.0588,
112.4514

■ 22.3516, 23.5210,
32.1620

109.4883,
115.2073, 143.7463

■ 14.2335, 14.9787,
21.2194

138.7824,
146.0303, 180.3672

■ 8.3660, 8.8044,
13.0917

172.8846,
181.9121, 222.7328

■ 4.3838, 4.6138,
7.3602

212.1603,
223.2371, 271.2615

■ 1.9215, 2.0225,
3.6066

256.9747,

■ 0.5893, 0.6205,

270.3898, 326.3719

1.4121

307.6933,
323.7544, 388.4826

■ 0.0000, 0.0000,
0.1511

■ 0.0000, 0.0000,
0.0000

■ 46.8009, 49.2474,
64.1658

■ 46.8009, 49.2474,
64.1658

■ 39.8936, 41.8223,
63.0975

■ 54.6495, 57.5220,
65.3501

■ 33.8860, 35.2121,
62.1382

■ 63.4698, 66.6671,
66.6504

■ 28.7401, 29.3886,
61.2854

■ 73.2965, 76.7106,
68.0710

■ 24.4130, 24.3194,
60.5350

■ 82.8231, 86.9873,
69.5525

■ 20.8580, 19.9696,
59.8827

■ 86.7045, 94.7501,
70.8463

■ 18.0233, 16.3013,
59.3241

■ 87.8992, 97.1397,
71.2446

■ 15.8500, 13.2721,
58.8539

■ 14.2680, 10.8330,
58.4665

■ 13.4544, 9.4701,
58.2463

Harmonies

Analogous

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



45.0915, 49.2474, 62.6680



46.8009, 49.2474, 64.1658



48.5550, 49.2474, 62.6911

Triad

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



46.8009, 49.2474, 64.1658



49.8761, 49.2474, 48.8306



43.8757, 49.2474, 48.7967

Complementary

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



46.8009, 49.2474, 64.1658



52.1298, 54.5951, 49.3864

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.



45.1038, 49.2474, 45.4727



46.8009, 49.2474, 64.1658



48.5679, 49.2474, 45.4914

Square

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



46.8009, 49.2474, 64.1658



50.3579, 49.2474, 53.6429



46.8155, 49.2474, 44.3016



43.4293, 49.2474, 53.6012

Rectangle

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



46.8009, 49.2474, 64.1658



49.5070, 49.2474, 60.2715



46.8155, 49.2474, 44.3016



44.2092, 49.2474, 47.4806

Sweetspot

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



46.8024, 49.2495, 64.1669



89.3820, 94.0877, 108.0575



49.4236, 56.4131, 59.1179



18.9096, 19.9063, 23.0956



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.



46.8024, 49.2495, 64.1669



73.9465, 77.7592, 105.7194



45.4796, 45.5263, 63.5180



10.9365, 11.5134, 14.2163



8.5504, 6.1248, 36.6878



0.5132, 0.4602, 1.9167

Inverse Universe

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



49.5948, 47.8707, 53.6421



79.5241, 75.1292, 84.6694



53.5766, 58.7577, 50.1136



11.3813, 11.2813, 12.5425



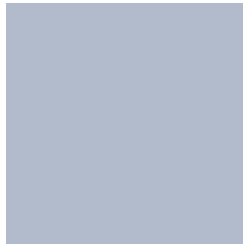
16.5267, 8.4213, 5.2265



0.8890, 0.4490, 0.4614

Previews

White Background



This preview shows how the XYZ color 46.8009, 49.2474, 64.1658 looks on a white background.

Color Contrast Check

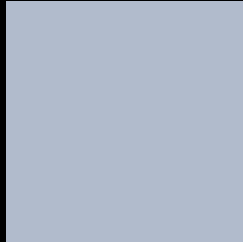
Large Text (above 18pt) WCAG AA × Fail

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 46.8009, 49.2474, 64.1658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

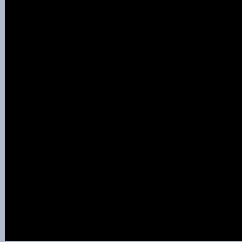
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8009, 49.2474, 64.1658

Background



This preview shows how black text looks on a background with the XYZ color 46.8009, 49.2474, 64.1658.

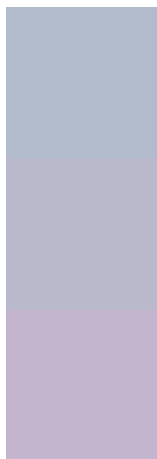


This preview shows how white text looks on a background with the XYZ color 46.8009, 49.2474,

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

46.8009, 49.2474, 64.1658

Protanopia

48.1360, 49.3240, 63.4834

Deuteranopia

50.0490, 49.0576, 64.5888



Tritanopia

46.5625, 49.1520, 62.9103

Trichromacy



Original Color

46.8009, 49.2474, 64.1658

Protanomaly

47.6298, 49.3747, 63.5198

Deuteranomaly

48.6920, 48.9661, 64.6427

Tritanomaly

46.6813, 49.1996, 63.5360

Monochromacy



Original Color

46.8009, 49.2474, 64.1658

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.7130, 49.0353, 57.4548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8009, 49.2474, 64.1658 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, 187, 204)` looks like.

```
.text, #text, p{  
    color:rgb(177, 187, 204)  
}
```

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, 187, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 187, 204) }
```

Border

The CSS property to change the border of an element to XYZ 46.8009, 49.2474, 64.1658 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, 187, 204) }
```


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

```
.border{ border-color:rgb(177, 187, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 187, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 187, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 187, 204);  
box-shadow:4px 4px 4px 4px rgb(177, 187,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8009, 49.2474, 64.1658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 187, 204) }
```

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

```
.background{ background-color: rgb(177,  
187, 204) }
```

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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