

Converting Colors

XYZ(46.7015, 49.7963, 51.4069)

Have a look what the booklet for
XYZ(46.7015, 49.7963, 51.4069)
contains.

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Color

**XYZ(46.6764, 49.7829,
51.4049)**

Conversions

Conversions Part 1

Format	Color
Hex	BABCB6
RGB	186, 188, 182
RGB Percent	73%, 74%, 71%
CMY	0.2706, 0.2627, 0.2863
CMYK	0.01, 0.00, 0.03, 0.26
HSL	80°, 4%, 73%
HSV	80°, 3%, 74%
XYZ	46.6764, 49.7829, 51.4049
YIQ	186.7180, 0.7340, -2.2900

Conversions

Conversions Part 2

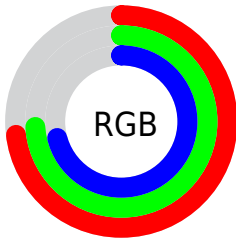
Format	Color
R _Y B	182, 188, 184
Decimal	12238006
CIE Lab	75.94, -1.80, 2.78
CIE LCh	76, 3.308, 122.896
Yxy	49.7829, 0.3157, 0.3367
Android (android.graphics.Color)	4290428086 (0xFFBABC6)
YUV	186.7180, -2.3260, -0.6297
Hunter-Lab	70.5570, -5.3895, 6.1937

Details

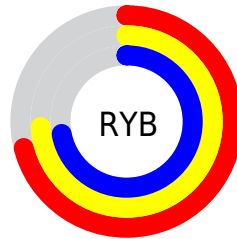
The XYZ color **46.6764, 49.7829, 51.4049** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.5741, 47.2784, 54.3031**, and the grayscale version is **47.0888, 49.5410, 53.9502**.

A 20% lighter version of the original color is **84.4012, 89.7517, 93.7643**, and **22.2993, 23.8995, 24.2066** is the 20% darker color. If you saturate the color by 10%, you get **43.3720, 48.2905, 41.7798**, and if you desaturate by 10%, it is **50.3114, 51.4185, 62.4092**.

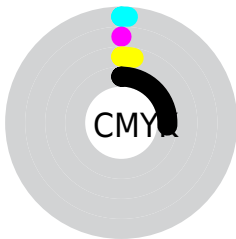
Distribution



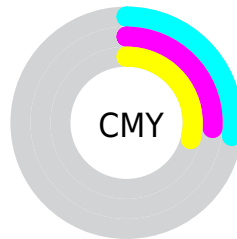
- Red (73%)
- Green (74%)
- Blue (71%)



- Red (71%)
- Yellow (74%)
- Blue (72%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)



- Cyan (27%)
- Magenta (26%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6764, 49.7829, 51.4049 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 46.6764, 49.7829, 51.4049 by changing the saturation by 10% instead.

■ 46.6764, 49.7829,
51.4049

■ 46.6764, 49.7829,
51.4049

364.1919,
385.8163, 409.0262

■ 32.9868, 35.2409,
36.1520

■ 84.4521, 89.8531,
93.6706

■ 22.2755, 23.8485,
24.2610

109.2688,
116.1502, 121.5205

■ 14.1772, 15.2213,
15.3133

138.5254,
147.1344, 154.4065

■ 8.3266, 8.9748,
8.8905

172.5870,
183.1901, 192.7470

■ 4.3582, 4.7248,
4.5740

211.8191,
224.7018, 236.9608

■ 1.9067, 2.0867,
1.9452

256.5871,

■ 0.5807, 0.6571,

272.0538, 287.4662

0.5213

307.2562,
325.6305, 344.6818

■ 0.0000, 0.0000,
0.0000

■ 46.6764, 49.7829,
51.4049

■ 46.6764, 49.7829,
51.4049

■ 43.3720, 48.2905,
41.7798

■ 50.3114, 51.4185,
62.4092

■ 40.3830, 46.9303,
33.4764

■ 54.2834, 53.1951,
74.8409

■ 37.6987, 45.6995,
26.4376

■ 58.6039, 55.1190,
88.7497

■ 35.3065, 44.5930,
20.6011

■ 62.9257, 57.0514,
102.3032

■ 33.1927, 43.6051,
15.8995

■ 64.7596, 57.9968,
102.3890

■ 31.3422, 42.7299,
12.2584

■ 66.6644, 58.9788,
102.4782

■ 29.7384, 41.9604,
9.5946

■ 68.6409, 59.9977,
102.5707

■ 28.3621, 41.2889,
7.8127

■ 70.6898, 61.0540,
102.6666

■ 27.1906, 40.7062,
6.7979

■ 72.8120, 62.1480,
102.7659

Harmonies

Analogous

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



47.2573, 49.7829, 50.8855



46.6764, 49.7829, 51.4049



46.2700, 49.7829, 52.6734

Triad

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



46.6764, 49.7829, 51.4049



46.7793, 49.7829, 57.2830



48.5107, 49.7829, 54.0338

Complementary

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



46.6764, 49.7829, 51.4049



45.5741, 47.2784, 54.3031

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.



48.3800, 49.7829, 55.7662



46.6764, 49.7829, 51.4049



47.3771, 49.7829, 57.6660

Square

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



46.6764, 49.7829, 51.4049



46.3290, 49.7829, 56.0695



47.9637, 49.7829, 57.1052



48.3192, 49.7829, 52.3825

Rectangle

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



46.6764, 49.7829, 51.4049



46.1508, 49.7829, 53.7865



47.9637, 49.7829, 57.1052



48.5029, 49.7829, 54.6259

Sweetspot

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



46.6778, 49.7850, 51.4060



85.9742, 90.8459, 97.2855



46.3248, 48.3514, 51.1479



18.4956, 19.5393, 20.9424



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



46.6778, 49.7850, 51.4060



84.0461, 89.9771, 91.5409



45.9567, 49.4133, 51.3722



10.3553, 11.1152, 11.1907



18.1098, 27.5118, 4.3558



0.7761, 1.1120, 0.1737

Inverse Universe

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



45.5741, 47.2784, 54.3031



81.5140, 84.2265, 98.1873



46.3003, 47.6528, 54.3371



9.9962, 10.2996, 12.1334



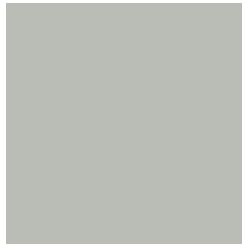
7.6357, 3.2224, 32.6124



0.3699, 0.1627, 1.2808

Previews

White Background



This preview shows how the XYZ color 46.6764, 49.7829, 51.4049 looks on a white background.

Color Contrast Check

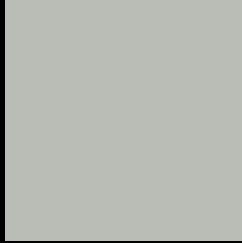
Large Text (above 18pt) WCAG AA × Fail

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 46.6764, 49.7829, 51.4049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

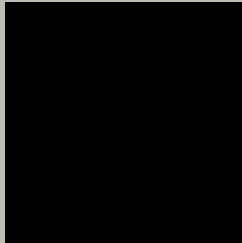
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

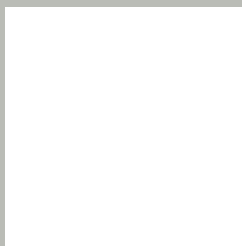
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6764, 49.7829, 51.4049

Background



This preview shows how black text looks on a background with the XYZ color 46.6764, 49.7829, 51.4049.



This preview shows how white text looks on a background with the XYZ color 46.6764, 49.7829,

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

46.6764, 49.7829, 51.4049

Protanopia

47.6376, 49.6605, 50.7907

Deuteranopia

50.5247, 49.5885, 51.7083



Tritanopia

48.7606, 49.6869, 61.6641

Trichromacy



Original Color

46.6764, 49.7829, 51.4049

Protanomaly

47.3460, 49.8240, 50.8377

Deuteranomaly

49.2409, 49.8420, 51.8249

Tritanomaly

47.9236, 49.6594, 57.5115

Monochromacy



Original Color

46.6764, 49.7829, 51.4049

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0208, 49.6082, 52.9960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6764, 49.7829, 51.4049 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(186, 188, 182)` looks like.

```
.text, #text, p{  
    color:rgb(186, 188, 182)  
}
```

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(186, 188, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 188, 182) }
```

Border

The CSS property to change the border of an element to XYZ 46.6764, 49.7829, 51.4049 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(186, 188, 182) }
```


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

```
.border{ border-color:rgb(186, 188, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 188, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 188, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 188, 182);  
box-shadow:4px 4px 4px 4px rgb(186, 188,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6764, 49.7829, 51.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 188, 182) }
```

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

```
.background{ background-color: rgb(186,  
188, 182) }
```

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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