

Converting Colors

XYZ(46.5732, 49.5798, 58.0364)

Have a look what the booklet for
XYZ(46.5732, 49.5798, 58.0364)
contains.

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Color

**XYZ(46.5432, 49.5648,
58.1528)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BCC2
RGB	180, 188, 194
RGB Percent	71%, 74%, 76%
CMY	0.2941, 0.2627, 0.2392
CMYK	0.07, 0.03, 0.00, 0.24
HSL	206°, 10%, 73%
HSV	206°, 7%, 76%
XYZ	46.5432, 49.5648, 58.1528
YIQ	186.2920, -6.6940, 0.1700

Conversions

Conversions Part 2

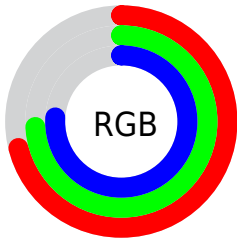
Format	Color
R _Y B	180, 185, 194
Decimal	11844802
CIE Lab	75.80, -1.59, -3.99
CIE LCh	76, 4.296, 248.237
Yxy	49.5648, 0.3017, 0.3213
Android (android.graphics.Color)	4290034882 (0xFFB4BCC2)
YUV	186.2920, 3.8000, -5.5181
Hunter-Lab	70.4023, -5.1970, 0.3076

Details

The XYZ color **46.5432, 49.5648, 58.1528** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.0454, 49.8819, 50.2767**, and the grayscale version is **46.8190, 49.2573, 53.6412**.

A 20% lighter version of the original color is **84.1981, 89.4364, 103.2677**, and **22.1500, 23.7334, 28.2245** is the 20% darker color. If you saturate the color by 10%, you get **40.6151, 43.9500, 57.3823**, and if you desaturate by 10%, it is **53.2086, 55.7141, 58.9892**.

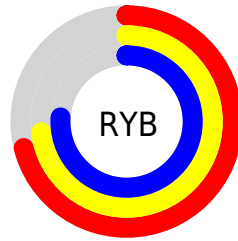
Distribution



Red (71%)

Green (74%)

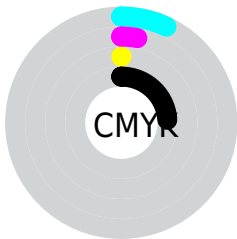
Blue (76%)



Red (71%)

Yellow (73%)

Blue (76%)

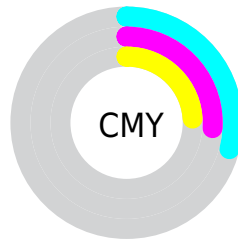


Cyan (7%)

Magenta (3%)

Yellow (0%)

Black (24%)



Cyan (29%)

Magenta (26%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5432, 49.5648, 58.1528 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 46.5432, 49.5648, 58.1528 by changing the saturation by 10% instead.

■ 46.5432, 49.5648,
58.1528

■ 46.5432, 49.5648,
58.1528

363.6676,
384.9616, 435.3692

■ 32.8811, 35.0677,
41.5160

■ 84.2543, 89.5297,
103.6623

■ 22.1942, 23.7150,
28.3998

109.0339,
115.7664, 133.3721

■ 14.1171, 15.1224,
18.3856

138.2502,
146.6850, 168.2766

■ 8.2844, 8.9053,
11.0549

172.2684,
182.6700, 208.7944

■ 4.3308, 4.6795,
5.9891

211.4539,
224.1058, 255.3440

■ 1.8909, 2.0605,
2.7698

256.1720,

■ 0.5715, 0.6422,

271.3767, 308.3440

0.9783

306.7882,
324.8672, 368.2129

■ 0.0000, 0.0000,
0.0000

■ 46.5432, 49.5648,
58.1528

■ 46.5432, 49.5648,
58.1528

■ 40.6151, 43.9500,
57.3823

■ 53.2086, 55.7141,
58.9892

■ 35.3921, 38.8467,
56.6725

■ 60.6331, 62.4077,
59.8899

■ 30.8460, 34.2389,
56.0227

■ 68.8432, 69.6628,
60.8575

■ 26.9449, 30.1076,
55.4309

■ 76.8989, 76.9973,
61.8487

■ 23.6541, 26.4322,
54.8949

■ 79.1508, 81.5012,
62.5993

■ 20.9354, 23.1901,
54.4124

■ 81.5129, 86.2255,
63.3867

■ 18.7457, 20.3561,
53.9808

■ 83.9867, 91.1731,
64.2113

■ 17.0350, 17.9017,
53.5972

■ 86.5737, 96.3469,
65.0736

■ 15.7344, 15.7880,
53.2578

■ 86.7377, 96.6751,
65.1283

Harmonies

Analogous

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



45.9148, 49.5648, 56.7335



46.5432, 49.5648, 58.1528



47.3300, 49.5648, 58.4348

Triad

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



46.5432, 49.5648, 58.1528



48.6449, 49.5648, 53.3405



46.1665, 49.5648, 50.5889

Complementary

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



46.5432, 49.5648, 58.1528



48.0454, 49.8819, 50.2767

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.



46.8904, 49.5648, 49.7341



46.5432, 49.5648, 58.1528



48.3254, 49.5648, 51.2932

Square

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



46.5432, 49.5648, 58.1528



48.5494, 49.5648, 55.6135



47.6811, 49.5648, 49.9883



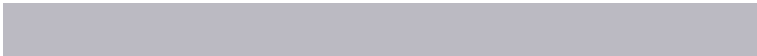
45.6991, 49.5648, 52.3546

Rectangle

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



46.5432, 49.5648, 58.1528



47.8396, 49.5648, 57.9326



47.6811, 49.5648, 49.9883



46.3876, 49.5648, 50.1878

Sweetspot

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



46.5446, 49.5669, 58.1539



90.4164, 95.4539, 106.1288



46.9601, 51.8258, 53.8906



19.8267, 20.9278, 23.2444



0.0000, 0.0000, 0.0000



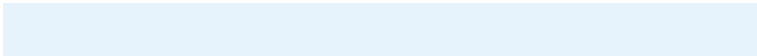
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5446, 49.5669, 58.1539



82.1546, 87.7674, 105.0806



45.1185, 46.7147, 57.6785



9.9955, 10.6823, 12.8199



10.2151, 10.1867, 34.9844



0.5086, 0.5747, 1.5340

Inverse Universe

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



47.6476, 47.7436, 54.2836



84.6647, 83.6768, 96.2596



49.5203, 52.8317, 50.7683



10.3090, 10.1722, 11.7179



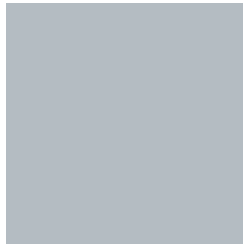
16.5521, 8.3106, 10.8192



0.7491, 0.3727, 0.6463

Previews

White Background



This preview shows how the XYZ color 46.5432, 49.5648, 58.1528 looks on a white background.

Color Contrast Check

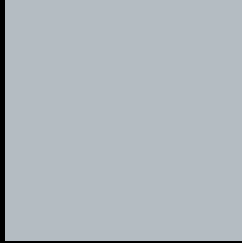
Large Text (above 18pt) WCAG AA × Fail

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 46.5432, 49.5648, 58.1528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

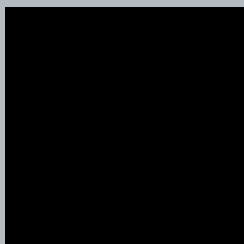
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

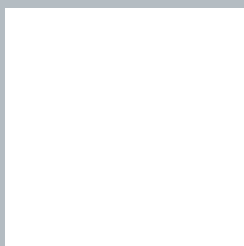
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5432, 49.5648, 58.1528

Background



This preview shows how black text looks on a background with the XYZ color 46.5432, 49.5648, 58.1528.



This preview shows how white text looks on a background with the XYZ color 46.5432, 49.5648,

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

46.5432, 49.5648, 58.1528

Protanopia

47.9236, 49.6594, 57.5115

Deuteranopia

50.4616, 49.4054, 58.5063



Tritanopia

47.4870, 49.6287, 62.9536

Trichromacy



Original Color

46.5432, 49.5648, 58.1528

Protanomaly

47.4035, 49.7052, 57.5477

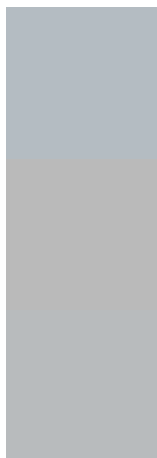
Deuteranomaly

48.9831, 49.5586, 58.6138

Tritanomaly

47.1352, 49.4879, 61.1007

Monochromacy



Original Color

46.5432, 49.5648, 58.1528

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.7228, 49.4051, 55.2177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5432, 49.5648, 58.1528 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(180, 188, 194) looks like.

```
.text, #text, p{  
    color:rgb(180, 188, 194)  
}
```

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(180, 188, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 188, 194) }
```

Border

The CSS property to change the border of an element to XYZ 46.5432, 49.5648, 58.1528 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(180, 188, 194) }
```


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

```
.border{ border-color:rgb(180, 188, 194) }
```

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

Here you see how a box with a 4 pixel rgb(180, 188, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 188, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 188, 194);  
box-shadow:4px 4px 4px 4px rgb(180, 188,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5432, 49.5648, 58.1528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 188, 194) }
```

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

```
.background{ background-color: rgb(180,  
188, 194) }
```

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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