

Converting Colors

XYZ(46.6172, 49.2468, 49.2713)

Have a look what the booklet for
XYZ(46.6172, 49.2468, 49.2713)
contains.

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Color

**XYZ(46.5811, 49.1510,
49.1515)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBAB2
RGB	189, 186, 178
RGB Percent	74%, 73%, 70%
CMY	0.2588, 0.2706, 0.3020
CMYK	0.00, 0.02, 0.06, 0.26
HSL	44°, 8%, 72%
HSV	44°, 6%, 74%
XYZ	46.5811, 49.1510, 49.1515
YIQ	185.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

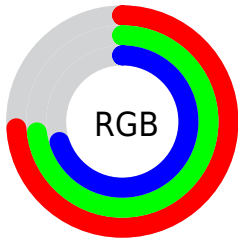
Format	Color
R_{YB}	182, 189, 178
Decimal	12434098
CIE Lab	75.55, -0.38, 4.41
CIE LCh	76, 4.431, 94.943
Yxy	49.1510, 0.3215, 0.3392
Android (android.graphics.Color)	4290624178 (0xFFBDBAB2)
YUV	185.9850, -3.9366, 2.6442
Hunter-Lab	70.1078, -4.0894, 7.5081

Details

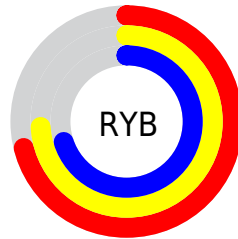
The XYZ color **46.5811, 49.1510, 49.1515** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.0693, 46.1862, 54.7369**, and the grayscale version is **46.6845, 49.1158, 53.4871**.

A 20% lighter version of the original color is **84.2596, 88.8573, 90.5521**, and **22.2425, 23.4900, 22.7637** is the 20% darker color. If you saturate the color by 10%, you get **43.7479, 46.3148, 39.4809**, and if you desaturate by 10%, it is **49.7176, 52.1742, 60.2144**.

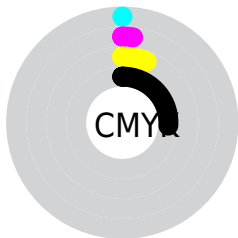
Distribution



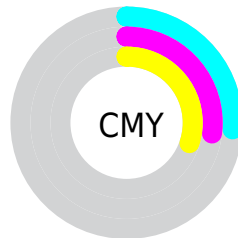
- Red (74%)
- Green (73%)
- Blue (70%)



- Red (71%)
- Yellow (74%)
- Blue (70%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (26%)



- Cyan (26%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5811, 49.1510, 49.1515 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 46.5811, 49.1510, 49.1515 by changing the saturation by 10% instead.

■ 46.5811, 49.1510,
49.1515

■ 46.5811, 49.1510,
49.1515

363.8169,
383.3365, 399.9780

■ 32.9112, 34.7393,
34.3732

■ 84.3106, 88.9157,
90.2997

■ 22.2173, 23.4621,
22.9008

109.1008,
115.0374, 117.5068

■ 14.1342, 14.9351,
14.3157

138.3285,
145.8313, 149.6938

■ 8.2964, 8.7738,
8.1993

172.3591,
181.6817, 187.2794

■ 4.3386, 4.5940,
4.1331

211.5578,
222.9730, 230.6821

■ 1.8954, 2.0111,
1.6987

256.2902,

■ 0.5742, 0.6139,

270.0897, 280.3204

0.3598

306.9214,
323.4160, 336.6129

■ 0.0000, 0.0000,
0.0000

■ 46.5811, 49.1510,
49.1515

■ 46.5811, 49.1510,
49.1515

■ 43.7479, 46.3148,
39.4809

■ 49.7176, 52.1742,
60.2144

■ 41.2030, 43.6542,
31.1433

■ 53.1638, 55.3829,
72.7193

■ 38.9358, 41.1660,
24.0798

■ 56.9308, 58.7838,
86.7174

■ 36.9339, 38.8444,
18.2260

■ 61.0282, 62.3812,
102.2563

■ 35.1833, 36.6833,
13.5116

■ 62.5173, 65.0004,
103.8591

■ 33.6691, 34.6759,
9.8592

■ 63.8230, 67.6118,
104.2943

■ 32.3743, 32.8147,
7.1815

■ 65.1701, 70.3061,
104.7433

■ 31.2791, 31.0912,
5.3775

■ 66.5590, 73.0839,
105.2063

■ 30.3591, 29.4948,
4.3198

■ 67.9901, 75.9460,
105.6833

Harmonies

Analogous

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



47.3862, 49.1510, 49.5374



46.5811, 49.1510, 49.1515



45.8210, 49.1510, 49.9071

Triad

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



46.5811, 49.1510, 49.1515



45.4384, 49.1510, 56.1401



48.1566, 49.1510, 55.4486

Complementary

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



46.5811, 49.1510, 49.1515



44.0693, 46.1862, 54.7369

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.



47.6237, 49.1510, 57.2970



46.5811, 49.1510, 49.1515



46.0532, 49.1510, 57.7044

Square

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



46.5811, 49.1510, 49.1515



45.1663, 49.1510, 53.9063



46.8523, 49.1510, 58.1338



48.3019, 49.1510, 53.1297

Rectangle

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



46.5811, 49.1510, 49.1515



45.4402, 49.1510, 50.9699



46.8523, 49.1510, 58.1338



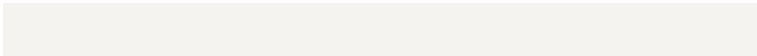
48.0166, 49.1510, 56.1477

Sweetspot

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



46.5825, 49.1531, 49.1526



85.4907, 90.0427, 95.2375



45.2598, 46.0014, 50.2733



18.3969, 19.3754, 20.5242



90.7827, 95.5105, 104.0109



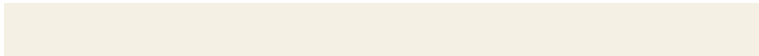
18.6292, 19.5994, 21.3438

Same Dimension

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



46.5825, 49.1531, 49.1526



82.7423, 87.3571, 85.6551



46.6340, 50.1268, 49.3378



10.2169, 10.7884, 10.5183



20.2544, 19.5476, 2.7055



0.8451, 0.8691, 0.1232

Inverse Universe

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



44.0693, 46.1862, 54.7369



77.2895, 80.9199, 97.7717



44.0182, 45.2651, 54.5618



9.5087, 9.9524, 12.0920



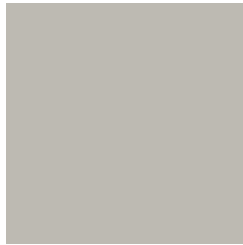
7.0466, 4.2049, 32.8331



0.3326, 0.2778, 1.3049

Previews

White Background



This preview shows how the XYZ color 46.5811, 49.1510, 49.1515 looks on a white background.

Color Contrast Check

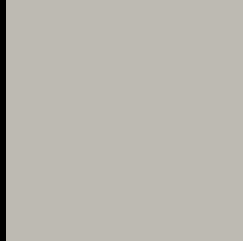
Large Text (above 18pt) WCAG AA × Fail

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 46.5811, 49.1510, 49.1515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

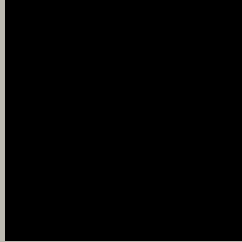
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5811, 49.1510, 49.1515

Background



This preview shows how black text looks on a background with the XYZ color 46.5811, 49.1510, 49.1515.

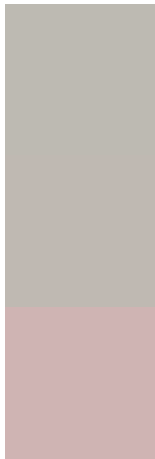


This preview shows how white text looks on a background with the XYZ color 46.5811, 49.1510, 49.1515.

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

46.5811, 49.1510, 49.1515

Protanopia

46.8707, 48.9886, 49.1049

Deuteranopia

50.1901, 49.1626, 49.4919



Tritanopia

48.7498, 49.1047, 59.7321

Trichromacy



Original Color

46.5811, 49.1510, 49.1515

Protanomaly

46.6200, 48.8594, 49.0932

Deuteranomaly

48.6840, 48.9899, 49.5379

Tritanomaly

47.9206, 49.0751, 55.6619

Monochromacy



Original Color

46.5811, 49.1510, 49.1515

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.5997, 49.1015, 51.8212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5811, 49.1510, 49.1515 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(189, 186, 178)` looks like.

```
.text, #text, p{  
    color:rgb(189, 186, 178)  
}
```

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(189, 186, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 186, 178) }
```

Border

The CSS property to change the border of an element to XYZ 46.5811, 49.1510, 49.1515 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(189, 186, 178) }
```


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

```
.border{ border-color:rgb(189, 186, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 186, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 186, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 186, 178);  
box-shadow:4px 4px 4px 4px rgb(189, 186,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5811, 49.1510, 49.1515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 186, 178) }
```

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

```
.background{ background-color: rgb(189,  
186, 178) }
```

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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