

Converting Colors

XYZ(46.4524, 49.5106, 48.3950)

Have a look what the booklet for
XYZ(46.4524, 49.5106, 48.3950)
contains.

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Color

**XYZ(46.3458, 49.3666,
48.1603)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBBB0
RGB	188, 187, 176
RGB Percent	74%, 73%, 69%
CMY	0.2627, 0.2666, 0.3098
CMYK	0.00, 0.01, 0.06, 0.26
HSL	55°, 8%, 71%
HSV	55°, 6%, 74%
XYZ	46.3458, 49.3666, 48.1603
YIQ	186.0450, 4.1270, -3.2090

Conversions

Conversions Part 2

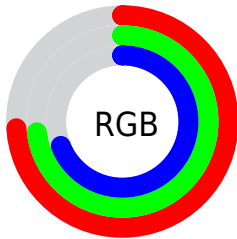
Format	Color
RYB	177, 188, 176
Decimal	12368816
CIELab	75.68, -1.62, 5.68
CIELCh	76, 5.910, 105.937
Yxy	49.3666, 0.3221, 0.3431
Android (android.graphics.Color)	4290558896 (0xFFBCBBB0)
YUV	186.0450, -4.9522, 1.7145
Hunter-Lab	70.2614, -5.2152, 8.5429

Details

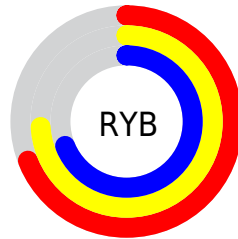
The XYZ color **46.3458, 49.3666, 48.1603** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.7036, 44.3044, 53.8783**, and the grayscale version is **46.7237, 49.1570, 53.5320**.

A 20% lighter version of the original color is **83.9243, 89.1605, 89.1303**, and **22.1549, 23.6563, 22.4672** is the 20% darker color. If you saturate the color by 10%, you get **44.2842, 48.0167, 38.9226**, and if you desaturate by 10%, it is **48.6714, 50.8311, 58.7583**.

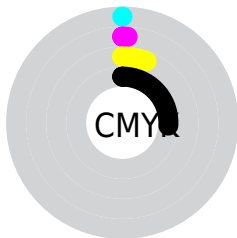
Distribution



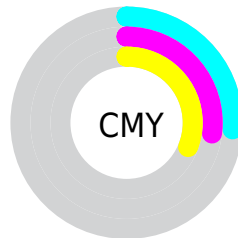
- Red (74%)
- Green (73%)
- Blue (69%)



- Red (69%)
- Yellow (74%)
- Blue (69%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (26%)



- Cyan (26%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3458, 49.3666, 48.1603 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 46.3458, 49.3666, 48.1603 by changing the saturation by 10% instead.

■ 46.3458, 49.3666,
48.1603

■ 46.3458, 49.3666,
48.1603

362.8898,
384.1838, 395.9542

■ 32.7246, 34.9104,
33.5930

■ 83.9610, 89.2357,
88.8111

■ 22.0737, 23.5938,
22.3062

108.6856,
115.4174, 115.7316

■ 14.0280, 15.0326,
13.8816

137.8421,
146.2763, 147.6068

■ 8.2220, 8.8423,
7.9006

171.7958,
182.1969, 184.8555

■ 4.2903, 4.6384,
3.9445

210.9121,
223.5635, 227.8960

■ 1.8676, 2.0367,
1.5950

255.5563,

■ 0.5579, 0.6287,

270.7606, 277.1469

0.2872

306.0937,
324.1726, 333.0268

■ 0.0000, 0.0000,
0.0000

■ 46.3458, 49.3666,
48.1603

■ 46.3458, 49.3666,
48.1603

■ 44.2842, 48.0167,
38.9226

■ 48.6714, 50.8311,
58.7583

■ 42.4720, 46.7706,
30.9864

■ 51.2668, 52.4077,
70.7655

■ 40.8993, 45.6261,
24.2937

■ 54.1428, 54.1024,
84.2325

■ 39.5540, 44.5781,
18.7806

■ 57.3084, 55.9187,
99.2065

■ 38.4227, 43.6216,
14.3775

■ 58.2614, 56.8558,
102.5113

■ 37.4910, 42.7505,
11.0078

■ 58.6125, 57.5580,
102.6283

■ 36.7424, 41.9583,
8.5848

■ 58.9672, 58.2675,
102.7466

■ 36.1578, 41.2373,
7.0079

■ 59.3257, 58.9843,
102.8661

■ 35.7121, 40.5775,
6.1453

■ 59.6878, 59.7085,
102.9868

Harmonies

Analogous

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



47.4349, 49.3666, 48.1129



46.3458, 49.3666, 48.1603



45.4249, 49.3666, 49.6669

Triad

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



46.3458, 49.3666, 48.1603



45.4726, 49.3666, 58.2017



48.9934, 49.3666, 55.2302

Complementary

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



46.3458, 49.3666, 48.1603



42.7036, 44.3044, 53.8783

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.



48.4505, 49.3666, 58.0548



46.3458, 49.3666, 48.1603



46.4118, 49.3666, 59.8150

Square

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



46.3458, 49.3666, 48.1603



44.9261, 49.3666, 55.4244



47.5019, 49.3666, 59.7602



48.9750, 49.3666, 52.1133

Rectangle

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



46.3458, 49.3666, 48.1603



45.0253, 49.3666, 51.3307



47.5019, 49.3666, 59.7602



48.8701, 49.3666, 56.2479

Sweetspot

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



46.3472, 49.3687, 48.1614



85.7696, 90.6006, 95.3304



44.2008, 44.9171, 47.9359



18.4538, 19.4892, 20.5432



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.



46.3472, 49.3687, 48.1614



83.3093, 89.0301, 84.1824



45.3487, 49.1688, 48.1754



10.2527, 10.9813, 10.1559



24.2418, 27.5225, 4.0347



0.9698, 1.1185, 0.1648

Inverse Universe

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



42.7036, 44.3044, 53.8783



74.9955, 77.4743, 97.2276



43.6591, 44.5060, 53.8668



9.0785, 9.3493, 11.9983



6.3257, 2.7631, 32.5928



0.2697, 0.1520, 1.2840

Previews

White Background



This preview shows how the XYZ color 46.3458, 49.3666, 48.1603 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 46.3458, 49.3666, 48.1603 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

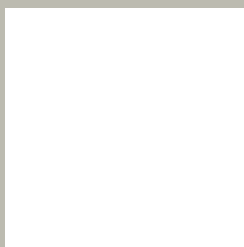
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3458, 49.3666, 48.1603

Background



This preview shows how black text looks on a background with the XYZ color 46.3458, 49.3666, 48.1603.

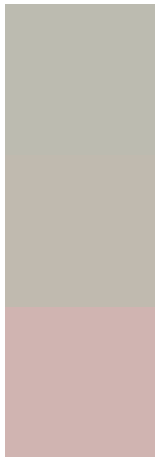


This preview shows how white text looks on a background with the XYZ color 46.3458, 49.3666,

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

46.3458, 49.3666, 48.1603

Protanopia

47.0350, 49.4194, 47.6173

Deuteranopia

50.2695, 49.2267, 48.4472



Tritanopia

48.8194, 49.4346, 60.3948

Trichromacy



Original Color

46.3458, 49.3666, 48.1603

Protanomaly

46.7826, 49.2893, 47.6055

Deuteranomaly

48.9567, 49.4588, 48.5612

Tritanomaly

47.8784, 49.3628, 55.7197

Monochromacy



Original Color

46.3458, 49.3666, 48.1603

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4959, 49.0600, 51.2749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3458, 49.3666, 48.1603 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(188, 187, 176)` looks like.

```
.text, #text, p{  
    color:rgb(188, 187, 176)  
}
```

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(188, 187, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 187, 176) }
```

Border

The CSS property to change the border of an element to XYZ 46.3458, 49.3666, 48.1603 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(188, 187, 176) }
```


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

```
.border{ border-color:rgb(188, 187, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 187, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 187, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 187, 176);  
box-shadow:4px 4px 4px 4px rgb(188, 187,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3458, 49.3666, 48.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 187, 176) }
```

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

```
.background{ background-color: rgb(188,  
187, 176) }
```

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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