

Converting Colors

XYZ(46.8933, 49.3451, 49.0365)

Have a look what the booklet for
XYZ(46.8933, 49.3451, 49.0365)
contains.

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Color

**XYZ(46.8300, 49.2793,
49.1631)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBAB2
RGB	190, 186, 178
RGB Percent	75%, 73%, 70%
CMY	0.2549, 0.2706, 0.3020
CMYK	0.00, 0.02, 0.06, 0.25
HSL	40°, 8%, 72%
HSV	40°, 6%, 75%
XYZ	46.8300, 49.2793, 49.1631
YIQ	186.2840, 4.9520, -1.6400

Conversions

Conversions Part 2

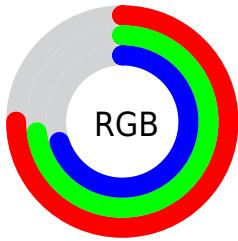
Format	Color
RYB	184, 190, 178
Decimal	12499634
CIELab	75.62, -0.02, 4.54
CIELCh	76, 4.539, 90.301
Yxy	49.2793, 0.3224, 0.3392
Android (android.graphics.Color)	4290689714 (0xFFBEBAB2)
YUV	186.2840, -4.0840, 3.2589
Hunter-Lab	70.1992, -3.7710, 7.6165

Details

The XYZ color **46.8300, 49.2793, 49.1631** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.3823, 46.6379, 55.3786**, and the grayscale version is **46.8527, 49.2927, 53.6798**.

A 20% lighter version of the original color is **84.6094, 89.0376, 90.5685**, and **22.4057, 23.5741, 22.7714** is the 20% darker color. If you saturate the color by 10%, you get **43.7496, 45.9626, 39.3673**, and if you desaturate by 10%, it is **50.2364, 52.8241, 60.3725**.

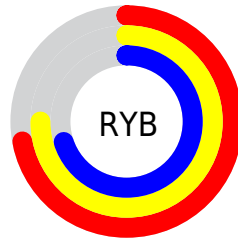
Distribution



Red (75%)

Green (73%)

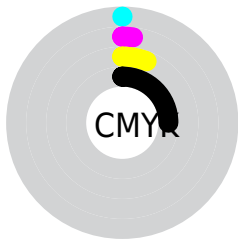
Blue (70%)



Red (72%)

Yellow (75%)

Blue (70%)

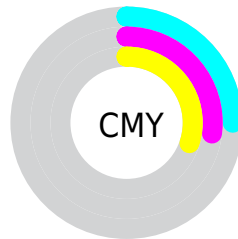


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8300, 49.2793, 49.1631 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 46.8300, 49.2793, 49.1631 by changing the saturation by 10% instead.

■ 46.8300, 49.2793,
49.1631

■ 46.8300, 49.2793,
49.1631

364.7958,
383.8408, 400.0250

■ 33.1087, 34.8411,
34.3824

■ 84.6801, 89.1061,
90.3171

■ 22.3693, 23.5405,
22.9078

109.5396,
115.2635, 117.5275

■ 14.2467, 14.9931,
14.3208

138.8425,
146.0962, 149.7182

■ 8.3753, 8.8145,
8.2028

172.9542,
181.9883, 187.3077

■ 4.3898, 4.6204,
4.1354

212.2400,
223.3245, 230.7146

■ 1.9249, 2.0263,
1.6999

257.0653,

■ 0.5913, 0.6227,

270.4890, 280.3574

0.3607

307.7954,
323.8664, 336.6547

■ 0.0000, 0.0000,
0.0000

■ 46.8300, 49.2793,
49.1631

■ 46.8300, 49.2793,
49.1631

■ 43.7496, 45.9626,
39.3673

■ 50.2364, 52.8241,
60.3725

■ 40.9797, 42.8618,
30.9247

■ 53.9757, 56.5960,
73.0461

■ 38.5092, 39.9728,
23.7753

■ 58.0597, 60.6027,
87.2359

■ 36.3250, 37.2891,
17.8536

■ 62.4981, 64.8491,
102.9905

■ 34.4128, 34.8037,
13.0878

■ 64.2648, 68.1258,
104.3702

■ 32.7566, 32.5088,
9.3990

■ 65.9337, 71.4637,
104.9265

■ 31.3389, 30.3963,
6.6980

■ 67.6659, 74.9282,
105.5040

■ 30.1392, 28.4563,
4.8814

■ 69.4621, 78.5206,
106.1027

■ 29.1311, 26.6771,
3.8148

■ 71.3230, 82.2423,
106.7230

Harmonies

Analogous

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



47.6432, 49.2793, 49.7384



46.8300, 49.2793, 49.1631



46.0283, 49.2793, 49.7616

Triad

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



46.8300, 49.2793, 49.1631



45.4579, 49.2793, 56.0245



48.2555, 49.2793, 55.9811

Complementary

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



46.8300, 49.2793, 49.1631



44.3823, 46.6379, 55.3786

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.



47.6581, 49.2793, 57.7501



46.8300, 49.2793, 49.1631



46.0429, 49.2793, 57.7757

Square

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



46.8300, 49.2793, 49.1631



45.2420, 49.2793, 53.6811



46.8470, 49.2793, 58.4163



48.4722, 49.2793, 53.6324

Rectangle

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



46.8300, 49.2793, 49.1631



45.6068, 49.2793, 50.7562



46.8470, 49.2793, 58.4163



48.0922, 49.2793, 56.6658

Sweetspot

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



46.8314, 49.2814, 49.1642



87.4343, 92.0035, 97.4723



45.5998, 46.1661, 50.7642



19.2134, 20.2174, 21.4489



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



46.8314, 49.2814, 49.1642



83.8084, 88.1834, 85.6843



47.1890, 50.7333, 49.4256



10.0473, 10.5705, 10.0874



19.2173, 17.4733, 2.3598



0.8105, 0.8000, 0.1117

Inverse Universe

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



44.3823, 46.6379, 55.3786



78.1649, 82.0919, 100.0047



44.0377, 45.2625, 55.1313



9.2692, 9.7306, 12.0619



7.4376, 4.9869, 32.9635



0.3527, 0.3181, 1.3117

Previews

White Background



This preview shows how the XYZ color 46.8300, 49.2793, 49.1631 looks on a white background.

Color Contrast Check

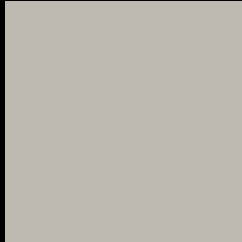
Large Text (above 18pt) WCAG AA × Fail

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 46.8300, 49.2793, 49.1631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

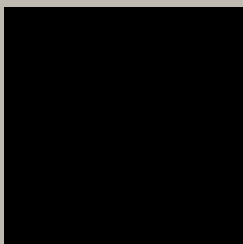
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

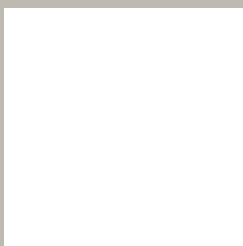
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8300, 49.2793, 49.1631

Background



This preview shows how black text looks on a background with the XYZ color 46.8300, 49.2793, 49.1631.

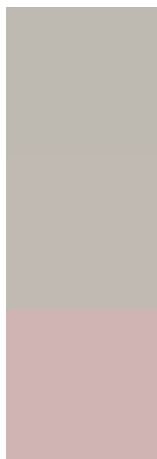


This preview shows how white text looks on a background with the XYZ color 46.8300, 49.2793,

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

46.8300, 49.2793, 49.1631

Protanopia

47.3330, 49.5386, 49.1867

Deuteranopia

50.1901, 49.1626, 49.4919



Tritanopia

49.0038, 49.2356, 59.7440

Trichromacy



Original Color

46.8300, 49.2793, 49.1631

Protanomaly

47.0806, 49.4085, 49.1749

Deuteranomaly

48.9520, 49.1281, 49.5504

Tritanomaly

48.1730, 49.2052, 55.6738

Monochromacy



Original Color

46.8300, 49.2793, 49.1631

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 46.8300, 49.2793, 49.1631 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(190, 186, 178)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 186, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 186, 178) }
```

Border

The CSS property to change the border of an element to XYZ 46.8300, 49.2793, 49.1631 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(190, 186, 178) }
```


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

```
.border{ border-color:rgb(190, 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(190, 186, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 186, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 186, 178);  
box-shadow:4px 4px 4px 4px rgb(190, 186,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8300, 49.2793, 49.1631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 186, 178) }
```

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

```
.background{ background-color: rgb(190,  
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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