

Converting Colors

XYZ(46.8389, 48.3738, 53.5247)

Have a look what the booklet for
XYZ(46.8389, 48.3738, 53.5247)
contains.

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Color

**XYZ(46.7827, 48.2310,
53.2982)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB7BA
RGB	189, 183, 186
RGB Percent	74%, 72%, 73%
CMY	0.2588, 0.2823, 0.2706
CMYK	0.00, 0.03, 0.02, 0.26
HSL	330°, 4%, 73%
HSV	330°, 3%, 74%
XYZ	46.7827, 48.2310, 53.2982
YIQ	185.1360, 2.6130, 2.2050

Conversions

Conversions Part 2

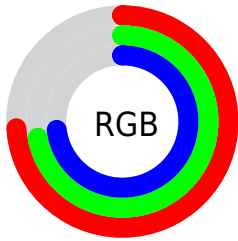
Format	Color
RYB	189, 183, 186
Decimal	12433338
CIELab	74.97, 2.66, -0.78
CIELCh	75, 2.774, 343.767
Yxy	48.2310, 0.3154, 0.3252
Android (android.graphics.Color)	4290623418 (0xFFBDB7BA)
YUV	185.1360, 0.4260, 3.3887
Hunter-Lab	69.4485, -1.2918, 3.1119

Details

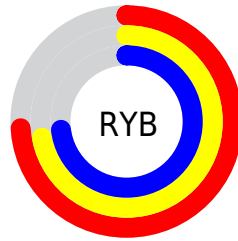
The XYZ color **46.7827, 48.2310, 53.2982** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.5908, 50.0089, 53.6540**, and the grayscale version is **46.1876, 48.5930, 52.9178**.

A 20% lighter version of the original color is **84.5497, 87.5563, 96.4482**, and **22.3696, 22.8930, 25.4301** is the 20% darker color. If you saturate the color by 10%, you get **42.1714, 40.5636, 46.9651**, and if you desaturate by 10%, it is **51.9868, 56.9762, 60.1582**.

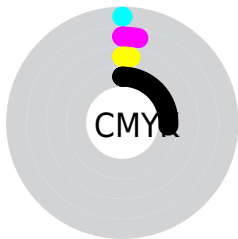
Distribution



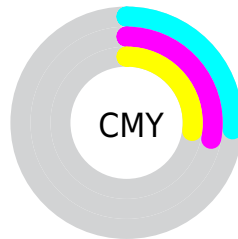
- Red (74%)
- Green (72%)
- Blue (73%)



- Red (74%)
- Yellow (72%)
- Blue (73%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (26%)



- Cyan (26%)
- Magenta (28%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7827, 48.2310, 53.2982 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 46.7827, 48.2310, 53.2982 by changing the saturation by 10% instead.

■ 46.7827, 48.2310,
53.2982

■ 46.7827, 48.2310,
53.2982

364.6099,
379.7070, 416.5268

■ 33.0711, 34.0099,
37.6515

■ 84.6099, 87.5482,
96.4890

■ 22.3404, 22.9012,
25.4126

109.4562,
113.4131, 124.8702

■ 14.2253, 14.5205,
16.1629

138.7448,
143.9280, 158.3334

■ 8.3603, 8.4836,
9.4839

172.8411,
179.4774, 197.2970

■ 4.3801, 4.4059,
4.9570

212.1104,
220.4456, 242.1796

■ 1.9193, 1.9031,
2.1638

256.9181,

■ 0.5880, 0.5503,

267.2170, 293.3997

0.6534

307.6295,
320.1760, 351.3760

■ 0.0000, 0.0000,
0.0000

■ 46.7827, 48.2310,
53.2982

■ 46.7827, 48.2310,
53.2982

■ 42.1714, 40.5636,
46.9651

■ 51.9868, 56.9762,
60.1582

■ 38.1267, 33.9257,
41.1423

■ 57.8003, 66.8324,
67.5551

■ 34.6267, 28.2747,
35.8164

■ 64.2443, 77.8394,
75.5024

■ 31.6461, 23.5627,
30.9723

■ 70.1769, 87.7111,
83.6254

■ 29.1580, 19.7375,
26.5943

■ 71.4941, 88.2380,
90.5616

■ 27.1325, 16.7421,
22.6650

■ 72.8837, 88.7938,
97.8792

■ 25.5365, 14.5124,
19.1661

■ 74.3468, 89.3791,
105.5839

■ 24.3320, 12.9751,
16.0771

■ 74.7966, 89.5590,
107.9522

■ 23.4736, 12.0421,
13.3749

Harmonies

Analogous

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



46.5185, 48.2310, 54.5536



46.7827, 48.2310, 53.2982



46.7937, 48.2310, 51.8550

Triad

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



46.7827, 48.2310, 53.2982



45.6110, 48.2310, 49.8550



45.1430, 48.2310, 54.4666

Complementary

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



46.7827, 48.2310, 53.2982



46.5908, 50.0089, 53.6540

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.



44.9035, 48.2310, 53.1813



46.7827, 48.2310, 53.2982



45.1723, 48.2310, 50.5286

Square

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



46.7827, 48.2310, 53.2982



46.1147, 48.2310, 49.8850



44.9142, 48.2310, 51.7402



45.5707, 48.2310, 55.2366

Rectangle

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



46.7827, 48.2310, 53.2982



46.6558, 48.2310, 50.9817



44.9142, 48.2310, 51.7402



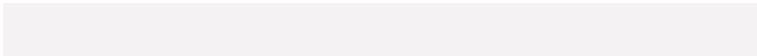
45.0380, 48.2310, 54.0795

Sweetspot

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



46.7841, 48.2331, 53.2992



85.7082, 89.5964, 98.0268



46.3703, 47.9825, 54.9624



18.4413, 19.2843, 21.0937



90.7827, 95.5105, 104.0109



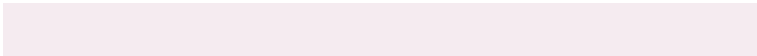
18.6292, 19.5994, 21.3438

Same Dimension

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



46.7841, 48.2331, 53.2992



83.0106, 85.0832, 94.4089



46.4687, 48.1069, 51.6387



10.2086, 10.4212, 11.5964



15.5318, 7.8439, 8.0941



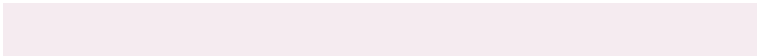
0.6414, 0.3205, 0.4910

Inverse Universe

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



46.7841, 48.2331, 53.2992



83.0106, 85.0832, 94.4089



46.9128, 50.1377, 55.3498



10.2086, 10.4212, 11.5964



15.5318, 7.8439, 8.0941



0.6414, 0.3205, 0.4910

Previews

White Background



This preview shows how the XYZ color 46.7827, 48.2310, 53.2982 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 46.7827, 48.2310, 53.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

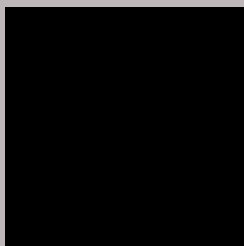
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

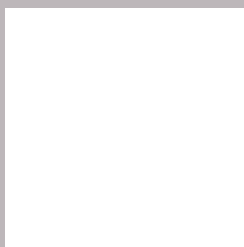
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7827, 48.2310, 53.2982

Background



This preview shows how black text looks on a background with the XYZ color 46.7827, 48.2310, 53.2982.

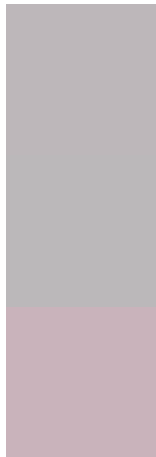


This preview shows how white text looks on a background with the XYZ color 46.7827, 48.2310,

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

46.7827, 48.2310, 53.2982

Protanopia

46.4969, 48.3909, 53.3441

Deuteranopia

49.1771, 48.2456, 53.7341



Tritanopia

47.7229, 47.9804, 58.9704

Trichromacy



Original Color

46.7827, 48.2310, 53.2982

Protanomaly

46.7425, 48.5175, 53.3556

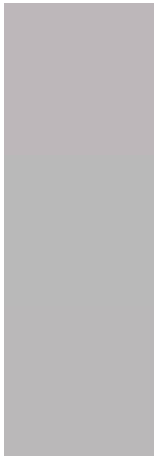
Deuteranomaly

48.3169, 48.1007, 53.7515

Tritanomaly

47.4776, 48.2088, 56.6721

Monochromacy



Original Color

46.7827, 48.2310, 53.2982

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.1471, 48.2229, 52.7747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7827, 48.2310, 53.2982 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, 183, 186) looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 186)  
}
```

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, 183, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 186) }
```

Border

The CSS property to change the border of an element to XYZ 46.7827, 48.2310, 53.2982 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, 183, 186) }
```


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

```
.border{ border-color:rgb(189, 183, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 186);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7827, 48.2310, 53.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 186) }
```

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

```
.background{ background-color: rgb(189,  
183, 186) }
```

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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