

Converting Colors

XYZ(46.8985, 50.1523, 49.9970)

Have a look what the booklet for
XYZ(46.8985, 50.1523, 49.9970)
contains.

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Color

**XYZ(46.8278, 50.2147,
49.8721)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBDB3
RGB	187, 189, 179
RGB Percent	73%, 74%, 70%
CMY	0.2667, 0.2588, 0.2980
CMYK	0.01, 0.00, 0.05, 0.26
HSL	72°, 7%, 72%
HSV	72°, 5%, 74%
XYZ	46.8278, 50.2147, 49.8721
YIQ	187.2620, 2.0180, -3.5340

Conversions

Conversions Part 2

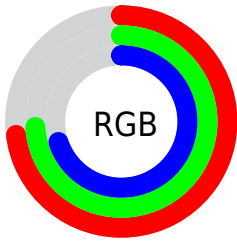
Format	Color
RYB	179, 189, 181
Decimal	12303795
CIELab	76.20, -2.51, 4.80
CIELCh	76, 5.417, 117.644
Yxy	50.2147, 0.3187, 0.3418
Android (android.graphics.Color)	4290493875 (0xFFBBBDB3)
YUV	187.2620, -4.0732, -0.2298
Hunter-Lab	70.8623, -6.0513, 7.8760

Details

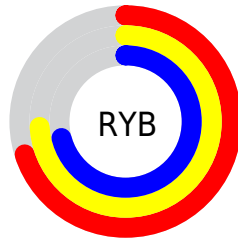
The XYZ color **46.8278, 50.2147, 49.8721** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.3634, 45.7394, 54.6372**, and the grayscale version is **47.4047, 49.8734, 54.3121**.

A 20% lighter version of the original color is **84.6100, 90.3577, 91.5786**, and **22.4016, 24.1830, 23.2258** is the 20% darker color. If you saturate the color by 10%, you get **44.1323, 49.0325, 40.4422**, and if you desaturate by 10%, it is **49.8126, 51.5187, 60.6854**.

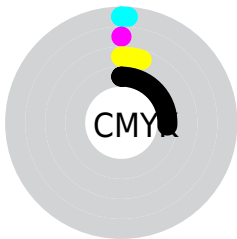
Distribution



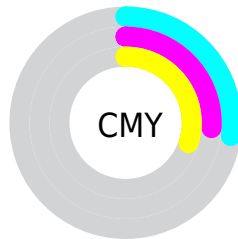
- Red (73%)
- Green (74%)
- Blue (70%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (26%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8278, 50.2147, 49.8721 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 46.8278, 50.2147, 49.8721 by changing the saturation by 10% instead.

■ 46.8278, 50.2147,
49.8721

■ 46.8278, 50.2147,
49.8721

364.7872,
387.5050, 402.8863

■ 33.1069, 35.5840,
34.9413

■ 84.6768, 90.4929,
91.3797

■ 22.3680, 24.1131,
23.3345

109.5357,
116.9092, 118.7936

■ 14.2457, 15.4175,
14.6331

138.8379,
148.0229, 151.2056

■ 8.3746, 9.1129,
8.4185

172.9489,
184.2182, 189.0343

■ 4.3894, 4.8149,
4.2723

212.2339,
225.8798, 232.6981

■ 1.9247, 2.1391,
1.7759

257.0584,

■ 0.5911, 0.6865,

273.3918, 282.6157

0.4120

307.7877,
327.1387, 339.2056

■ 0.0000, 0.0000,
0.0000

■ 46.8278, 50.2147,
49.8721

■ 46.8278, 50.2147,
49.8721

■ 44.1323, 49.0325,
40.4422

■ 49.8126, 51.5187,
60.6854

■ 41.7111, 47.9612,
32.3366

■ 53.0927, 52.9419,
72.9314

■ 39.5541, 46.9984,
25.4968

■ 56.6791, 54.4906,
86.6611

■ 37.6490, 46.1391,
19.8588

■ 60.5810, 56.1684,
101.9218

■ 35.9822, 45.3779,
15.3527

■ 61.6828, 56.7290,
102.3065

■ 34.5392, 44.7088,
11.9017

■ 62.7461, 57.2772,
102.3563

■ 33.3031, 44.1253,
9.4193

■ 63.8349, 57.8385,
102.4072

■ 32.2548, 43.6195,
7.8054

■ 64.9494, 58.4130,
102.4594

■ 31.3708, 43.1821,
6.9371

■ 66.0897, 59.0009,
102.5127

Harmonies

Analogous

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



47.8078, 50.2147, 49.2788



46.8278, 50.2147, 49.8721



46.0979, 50.2147, 51.7383

Triad

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



46.8278, 50.2147, 49.8721



46.6907, 50.2147, 59.5338



49.7042, 50.2147, 54.9054

Complementary

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



46.8278, 50.2147, 49.8721



44.3634, 45.7394, 54.6372

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.



49.3952, 50.2147, 57.7213



46.8278, 50.2147, 49.8721



47.6474, 50.2147, 60.4520

Square

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



46.8278, 50.2147, 49.8721



46.0196, 50.2147, 57.3097



48.6388, 50.2147, 59.7773



49.4773, 50.2147, 52.1228

Rectangle

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



46.8278, 50.2147, 49.8721



45.8465, 50.2147, 53.4880



48.6388, 50.2147, 59.7773



49.6594, 50.2147, 55.8800

Sweetspot

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



46.8292, 50.2169, 49.8732



85.5514, 90.6702, 95.3554



45.6485, 47.1227, 49.3382



18.4093, 19.5034, 20.5483



90.7827, 95.5105, 104.0109



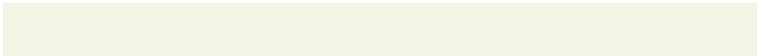
18.6292, 19.5994, 21.3438

Same Dimension

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



46.8292, 50.2169, 49.8732



83.4598, 89.7555, 87.8711



45.6274, 49.5973, 49.8169



10.3018, 11.0967, 10.7763



20.9120, 28.9564, 4.4870



0.8676, 1.1592, 0.1780

Inverse Universe

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



44.3634, 45.7394, 54.6372



78.4008, 80.5691, 97.6454



45.5568, 46.3546, 54.6930



9.6314, 9.8794, 12.0715



6.7656, 2.7739, 32.5717



0.3188, 0.1364, 1.2784

Previews

White Background



This preview shows how the XYZ color 46.8278, 50.2147, 49.8721 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 46.8278, 50.2147, 49.8721 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 46.8278, 50.2147, 49.8721

Background



This preview shows how black text looks on a background with the XYZ color 46.8278, 50.2147, 49.8721.



This preview shows how white text looks on a background with the XYZ color 46.8278, 50.2147,

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

46.8278, 50.2147, 49.8721

Protanopia

47.7985, 50.0925, 49.2690

Deuteranopia

51.2607, 50.3065, 50.1884



Tritanopia

49.2194, 50.2351, 61.7458

Trichromacy



Original Color

46.8278, 50.2147, 49.8721

Protanomaly

47.5050, 50.2572, 49.3163

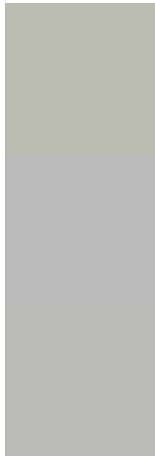
Deuteranomaly

49.6746, 50.4107, 50.2921

Tritanomaly

48.2710, 50.1652, 57.0079

Monochromacy



Original Color

46.8278, 50.2147, 49.8721

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1285, 49.9919, 52.5129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8278, 50.2147, 49.8721 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(187, 189, 179)` looks like.

```
.text, #text, p{  
    color:rgb(187, 189, 179)  
}
```

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(187, 189, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 189, 179) }
```

Border

The CSS property to change the border of an element to XYZ 46.8278, 50.2147, 49.8721 is called "border". The border property can be set on classes, ids or directly on the HTML element.

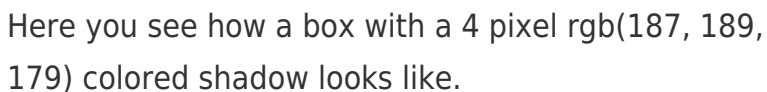
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 189, 179) }
```


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

```
.border{ border-color:rgb(187, 189, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 189, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 189, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 189, 179); box-shadow:4px 4px 4px 4px rgb(187, 189, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8278, 50.2147, 49.8721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 189, 179) }
```

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

```
.background{ background-color: rgb(187,  
189, 179) }
```

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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