

Converting Colors

XYZ(47.1694, 49.8776, 50.1731)

Have a look what the booklet for
XYZ(47.1694, 49.8776, 50.1731)
contains.

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Color

**XYZ(46.9948, 49.6548,
50.2875)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBBB4
RGB	189, 187, 180
RGB Percent	74%, 73%, 71%
CMY	0.2588, 0.2666, 0.2941
CMYK	0.00, 0.01, 0.05, 0.26
HSL	47°, 6%, 72%
HSV	47°, 5%, 74%
XYZ	46.9948, 49.6548, 50.2875
YIQ	186.8000, 3.4390, -1.7530

Conversions

Conversions Part 2

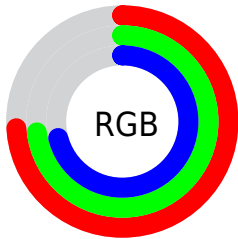
Format	Color
R _Y B	183, 189, 180
Decimal	12434356
CIE Lab	75.86, -0.56, 3.78
CIE LCh	76, 3.820, 98.456
Yxy	49.6548, 0.3198, 0.3379
Android (android.graphics.Color)	4290624436 (0xFFBDBBB4)
YUV	186.8000, -3.3524, 1.9294
Hunter-Lab	70.4662, -4.2718, 7.0146

Details

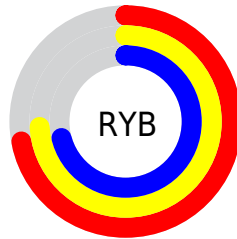
The XYZ color **46.9948, 49.6548, 50.2875** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.7356, 46.8325, 54.8264**, and the grayscale version is **47.1395, 49.5944, 54.0083**.

A 20% lighter version of the original color is **84.8471, 89.5698, 92.1737**, and **22.5092, 23.8167, 23.4894** is the 20% darker color. If you saturate the color by 10%, you get **44.3233, 47.1855, 40.5367**, and if you desaturate by 10%, it is **49.9576, 52.2854, 61.4319**.

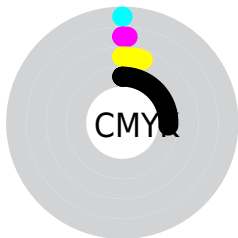
Distribution



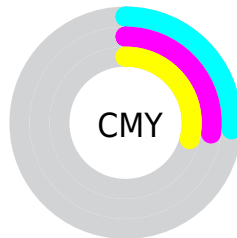
- Red (74%)
- Green (73%)
- Blue (71%)



- Red (72%)
- Yellow (74%)
- Blue (71%)



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



- Cyan (26%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9948, 49.6548, 50.2875 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 46.9948, 49.6548, 50.2875 by changing the saturation by 10% instead.

■ 46.9948, 49.6548,
50.2875

■ 46.9948, 49.6548,
50.2875

365.4430,
385.3145, 404.5564

■ 33.2395, 35.1392,
35.2691

■ 84.9246, 89.6632,
92.0014

■ 22.4701, 23.7701,
23.5850

109.8299,
115.9248, 119.5340

■ 14.3212, 15.1632,
14.8167

139.1825,
146.8705, 152.0750

■ 8.4276, 8.9340,
8.5457

173.3478,
182.8847, 190.0431

■ 4.4239, 4.6982,
4.3533

212.6911,
224.3518, 233.8567

■ 1.9446, 2.0713,
1.8211

257.5779,

■ 0.6026, 0.6484,

271.6562, 283.9345

0.4418

308.3734,
325.1823, 340.6949

■ 0.0000, 0.0000,
0.0000

■ 46.9948, 49.6548,
50.2875

■ 46.9948, 49.6548,
50.2875

■ 44.3233, 47.1855,
40.5367

■ 49.9576, 52.2854,
61.4319

■ 41.9283, 44.8664,
32.1207

■ 53.2178, 55.0752,
74.0193

■ 39.7995, 42.6946,
24.9811

■ 56.7863, 58.0306,
88.1005

■ 37.9247, 40.6649,
19.0540

■ 60.5754, 61.1168,
103.2118

■ 36.2905, 38.7715,
14.2700

■ 61.5838, 63.1335,
103.5479

■ 34.8821, 37.0082,
10.5525

■ 62.6192, 65.2044,
103.8931

■ 33.6829, 35.3680,
7.8155

■ 63.6818, 67.3296,
104.2473

■ 32.6739, 33.8428,
5.9597

■ 64.7719, 69.5097,
104.6106

■ 31.8320, 32.4232,
4.8649

■ 65.8895, 71.7451,
104.9832

Harmonies

Analogous

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



47.6988, 49.6548, 50.5077



46.9948, 49.6548, 50.2875



46.3509, 49.6548, 51.0595

Triad

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



46.9948, 49.6548, 50.2875



46.1337, 49.6548, 56.5354



48.4774, 49.6548, 55.5150

Complementary

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



46.9948, 49.6548, 50.2875



44.7356, 46.8325, 54.8264

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.



48.0501, 49.6548, 57.1875



46.9948, 49.6548, 50.2875



46.6955, 49.6548, 57.7868

Square

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



46.9948, 49.6548, 50.2875



45.8571, 49.6548, 54.6430



47.3966, 49.6548, 58.0284



48.5595, 49.6548, 53.4924

Rectangle

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



46.9948, 49.6548, 50.2875



46.0407, 49.6548, 52.0447



47.3966, 49.6548, 58.0284



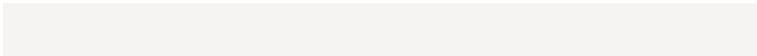
48.3692, 49.6548, 56.1383

Sweetspot

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



46.9962, 49.6570, 50.2886



86.0945, 90.6647, 97.2442



45.7620, 46.8436, 50.9407



18.5201, 19.5023, 20.9340



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.



46.9962, 49.6570, 50.2886



83.5012, 88.3281, 87.5934



46.8322, 50.2054, 50.4031



10.3073, 10.9072, 10.7394



21.2074, 21.4535, 3.0232



0.8759, 0.9307, 0.1335

Inverse Universe

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



44.7356, 46.8325, 54.8264



78.3637, 81.9093, 97.9061



44.8933, 46.3113, 54.7174



9.6265, 10.0566, 12.1059



6.7832, 3.6780, 32.7453



0.3157, 0.2442, 1.2993

Previews

White Background



This preview shows how the XYZ color 46.9948, 49.6548, 50.2875 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 46.9948, 49.6548, 50.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

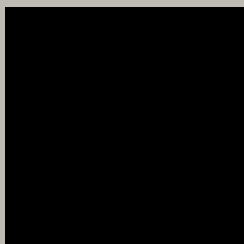
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

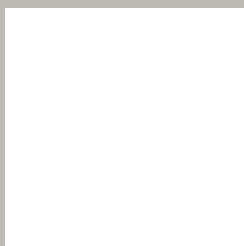
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9948, 49.6548, 50.2875

Background



This preview shows how black text looks on a background with the XYZ color 46.9948, 49.6548, 50.2875.

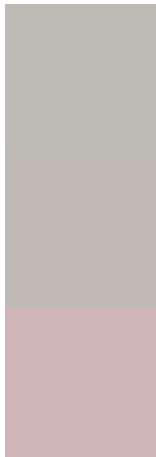


This preview shows how white text looks on a background with the XYZ color 46.9948, 49.6548,

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

46.9948, 49.6548, 50.2875

Protanopia

47.5354, 49.6196, 50.2522

Deuteranopia

50.5965, 49.6493, 50.6326



Tritanopia

49.1875, 49.6110, 61.0162

Trichromacy



Original Color

46.9948, 49.6548, 50.2875

Protanomaly

47.2830, 49.4895, 50.2404

Deuteranomaly

49.0934, 49.4825, 50.6796

Tritanomaly

48.3492, 49.5801, 56.8908

Monochromacy



Original Color

46.9948, 49.6548, 50.2875

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1611, 49.6927, 52.4534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9948, 49.6548, 50.2875 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, 187, 180)` looks like.

```
.text, #text, p{  
    color:rgb(189, 187, 180)  
}
```

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, 187, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 187, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.9948, 49.6548, 50.2875 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, 187, 180) }
```


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

```
.border{ border-color:rgb(189, 187, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 187, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 187, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 187, 180);  
box-shadow:4px 4px 4px 4px rgb(189, 187,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9948, 49.6548, 50.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 187, 180) }
```

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

```
.background{ background-color: rgb(189,  
187, 180) }
```

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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