

Converting Colors

XYZ(46.4973, 47.8667, 49.8473)

Have a look what the booklet for
XYZ(46.4973, 47.8667, 49.8473)
contains.

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Color

**XYZ(46.4520, 47.8276,
49.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB6B4
RGB	191, 182, 180
RGB Percent	75%, 71%, 71%
CMY	0.2510, 0.2863, 0.2941
CMYK	0.00, 0.05, 0.06, 0.25
HSL	11°, 8%, 73%
HSV	11°, 6%, 75%
XYZ	46.4520, 47.8276, 49.9634
YIQ	184.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

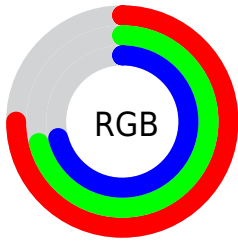
Format	Color
RYB	191, 182, 180
Decimal	12564148
CIELab	74.72, 2.83, 2.14
CIElCh	75, 3.549, 37.177
Yxy	47.8276, 0.3220, 0.3316
Android (android.graphics.Color)	4290754228 (0xFFBFB6B4)
YUV	184.4630, -2.2003, 5.7329
Hunter-Lab	69.1575, -1.1300, 5.5757

Details

The XYZ color **46.4520, 47.8276, 49.9634** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.4238, 49.8591, 56.4676**, and the grayscale version is **45.8267, 48.2132, 52.5042**.

A 20% lighter version of the original color is **84.0726, 86.9794, 91.7145**, and **22.1623, 22.6361, 23.2798** is the 20% darker color. If you saturate the color by 10%, you get **41.6164, 41.0584, 39.4042**, and if you desaturate by 10%, it is **51.9153, 55.4221, 62.0559**.

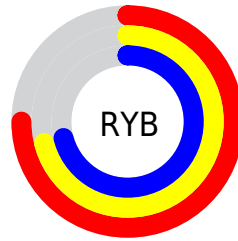
Distribution



Red (75%)

Green (71%)

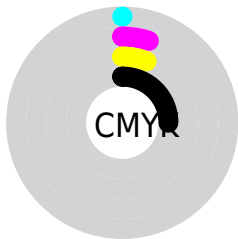
Blue (71%)



Red (75%)

Yellow (71%)

Blue (71%)

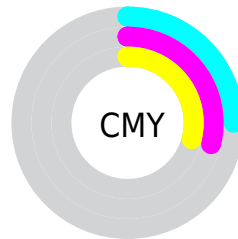


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (25%)



Cyan (25%)

Magenta (29%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4520, 47.8276, 49.9634 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 46.4520, 47.8276, 49.9634 by changing the saturation by 10% instead.

■ 46.4520, 47.8276,
49.9634

■ 46.4520, 47.8276,
49.9634

363.3084,
378.1084, 403.2538

■ 32.8088, 33.6904,
35.0133

■ 84.1188, 86.9477,
91.5164

■ 22.1385, 22.6558,
23.3895

108.8731,
112.6993, 118.9564

■ 14.0759, 14.3396,
14.6734

138.0617,
143.0912, 151.3968

■ 8.2555, 8.3572,
8.4464

172.0501,
178.5077, 189.2562

■ 4.3121, 4.3244,
4.2901

211.2037,
219.3333, 232.9530

■ 1.8802, 1.8566,
1.7858

255.8876,

■ 0.5653, 0.5221,

265.9524, 282.9058

0.4186

306.4674,
318.7493, 339.5333

■ 0.0000, 0.0000,
0.0000

■ 46.4520, 47.8276,
49.9634

■ 46.4520, 47.8276,
49.9634

■ 41.6164, 41.0584,
39.4042

■ 51.9153, 55.4221,
62.0559

■ 37.3821, 35.0804,
30.3139

■ 58.0238, 63.8618,
75.7364

■ 33.7263, 29.8665,
22.6282

■ 64.7990, 73.1742,
91.0607

■ 30.6235, 25.3857,
16.2766

■ 72.0341, 83.2926,
106.8882

■ 28.0462, 21.6048,
11.1827

■ 75.2960, 89.8165,
107.9755

■ 25.9645, 18.4880,
7.2622

■ 24.3452, 15.9963,
4.4204

■ 23.1511, 14.0864,
2.5479

■ 22.3378, 12.7090,
1.5084

Harmonies

Analogous

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



46.6978, 47.8276, 51.6345



46.4520, 47.8276, 49.9634



45.9405, 47.8276, 48.8768

Triad

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



46.4520, 47.8276, 49.9634



44.3274, 47.8276, 50.7133



45.6135, 47.8276, 55.6728

Complementary

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



46.4520, 47.8276, 49.9634



46.4238, 49.8591, 56.4676

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.



44.9803, 47.8276, 55.4121



46.4520, 47.8276, 49.9634



44.2417, 47.8276, 52.5202

Square

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



46.4520, 47.8276, 49.9634



44.7149, 47.8276, 49.3026



44.4797, 47.8276, 54.2476



46.2107, 47.8276, 54.9518

Rectangle

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



46.4520, 47.8276, 49.9634



45.5197, 47.8276, 48.6154



44.4797, 47.8276, 54.2476



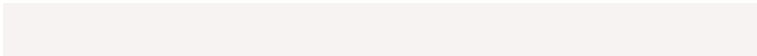
45.3978, 47.8276, 55.6973

Sweetspot

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



46.4533, 47.8297, 49.9644



86.7106, 90.5562, 97.2311



47.0111, 47.4009, 54.9110



19.0623, 19.9152, 21.3985



92.9021, 97.7402, 106.4391



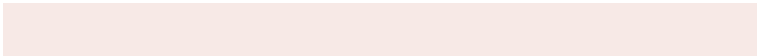
19.4759, 20.4902, 22.3138

Same Dimension

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



46.4533, 47.8297, 49.9644



81.9618, 83.9381, 86.7709



47.5657, 50.0545, 50.3352



9.8685, 10.0916, 10.4022



14.5546, 8.1481, 0.8056



0.6136, 0.4061, 0.0461

Inverse Universe

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



46.4238, 49.8591, 56.4676



81.8969, 88.3854, 101.0228



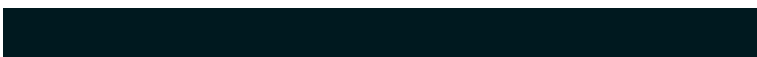
45.2983, 47.6082, 56.0925



9.8603, 10.6555, 12.2092



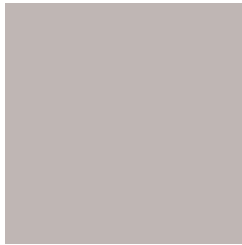
14.0704, 18.2525, 35.1744



0.5903, 0.7932, 1.3909

Previews

White Background



This preview shows how the XYZ color 46.4520, 47.8276, 49.9634 looks on a white background.

Color Contrast Check

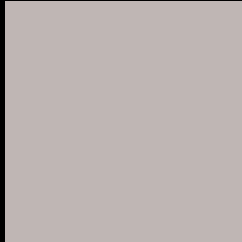
Large Text (above 18pt) WCAG AA × Fail

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 46.4520, 47.8276, 49.9634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

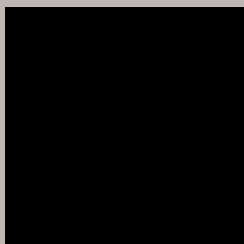
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

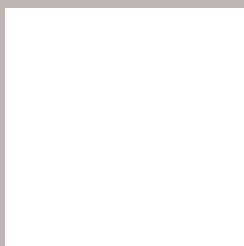
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4520, 47.8276, 49.9634

Background



This preview shows how black text looks on a background with the XYZ color 46.4520, 47.8276, 49.9634.



This preview shows how white text looks on a background with the XYZ color 46.4520, 47.8276,

49.9634.

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

46.4520, 47.8276, 49.9634

Protanopia

46.0130, 47.8945, 50.5355

Deuteranopia

48.8895, 47.8735, 50.3798



Tritanopia

48.0512, 47.8750, 57.7472

Trichromacy



Original Color

46.4520, 47.8276, 49.9634

Protanomaly

46.2602, 48.0220, 50.5471

Deuteranomaly

48.0138, 47.7185, 50.3961

Tritanomaly

47.4474, 47.9283, 54.8945

Monochromacy



Original Color

46.4520, 47.8276, 49.9634

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.9742, 47.8507, 51.6127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4520, 47.8276, 49.9634 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(191, 182, 180)` looks like.

```
.text, #text, p{  
    color:rgb(191, 182, 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(191, 182, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 182, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.4520, 47.8276, 49.9634 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(191, 182, 180) }
```


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

```
.border{ border-color:rgb(191, 182, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 182, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 182, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 182, 180);  
box-shadow:4px 4px 4px 4px rgb(191, 182,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4520, 47.8276, 49.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 182, 180) }
```

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

```
.background{ background-color: rgb(191,  
182, 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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