

Converting Colors

XYZ(46.9428, 52.6058, 46.5577)

Have a look what the booklet for
XYZ(46.9428, 52.6058, 46.5577)
contains.

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Color

**XYZ(46.9535, 52.6488,
46.7172)**

Conversions

Conversions Part 1

Format	Color
Hex	B8C4AC
RGB	184, 196, 172
RGB Percent	72%, 77%, 67%
CMY	0.2784, 0.2314, 0.3255
CMYK	0.06, 0.00, 0.12, 0.23
HSL	90°, 17%, 72%
HSV	90°, 12%, 77%
XYZ	46.9535, 52.6488, 46.7172
YIQ	189.6760, 0.5520, -10.0080

Conversions

Conversions Part 2

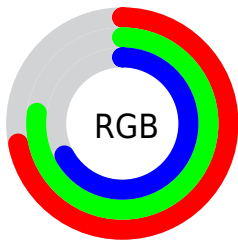
Format	Color
RYB	172, 196, 184
Decimal	12108972
CIELab	77.67, -8.48, 10.65
CIELCh	78, 13.613, 128.534
Yxy	52.6488, 0.3209, 0.3598
Android (android.graphics.Color)	4290299052 (0xFFB8C4AC)
YUV	189.6760, -8.7143, -4.9779
Hunter-Lab	72.5595, -11.4711, 12.6180

Details

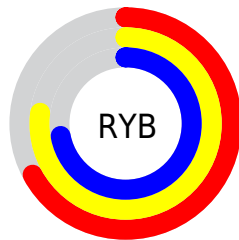
The XYZ color **46.9535, 52.6488, 46.7172** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4856, 43.6823, 58.3143**, and the grayscale version is **48.8067, 51.3485, 55.9185**.

A 20% lighter version of the original color is **84.9256, 94.3219, 86.4029**, and **22.4232, 25.5274, 21.5147** is the 20% darker color. If you saturate the color by 10%, you get **42.9413, 50.7837, 37.4172**, and if you desaturate by 10%, it is **51.4090, 54.7134, 57.4894**.

Distribution



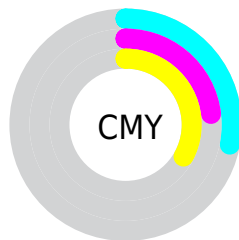
- Red (72%)
- Green (77%)
- Blue (67%)



- Red (67%)
- Yellow (77%)
- Blue (72%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)



- Cyan (28%)
- Magenta (23%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9535, 52.6488, 46.7172 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 46.9535, 52.6488, 46.7172 by changing the saturation by 10% instead.

■ 46.9535, 52.6488,
46.7172

■ 46.9535, 52.6488,
46.7172

365.2809,
396.9362, 390.0456

■ 33.2067, 37.5225,
32.4594

■ 84.8634, 94.0874,
86.6369

■ 22.4448, 25.6123,
21.4449

109.7571,
121.1684, 113.1359

■ 14.3025, 16.5338,
13.2552

139.0973,
153.0032, 144.5523

■ 8.4145, 9.9027,
7.4717

173.2491,
189.9760, 181.3048

■ 4.4153, 5.3345,
3.6759

212.5781,
232.4714, 223.8118

■ 1.9397, 2.4448,
1.4493

257.4494,

■ 0.5997, 0.8488,

280.8736, 272.4919

0.1797

308.2286,
335.5671, 327.7637

■ 0.0000, 0.0000,
0.0000

■ 46.9535, 52.6488,
46.7172

■ 46.9535, 52.6488,
46.7172

■ 42.9413, 50.7837,
37.4172

■ 51.4090, 54.7134,
57.4894

■ 39.3528, 49.1048,
29.5222

■ 56.3179, 56.9769,
69.7905

■ 36.1729, 47.6073,
22.9645

■ 61.6957, 59.4474,
83.6782

■ 33.3841, 46.2839,
17.6699

■ 67.5555, 62.1306,
99.2063

■ 30.9672, 45.1266,
13.5566

■ 71.3988, 64.0275,
103.2032

■ 28.9013, 44.1263,
10.5333

■ 74.6886, 65.7234,
103.3571

■ 27.1626, 43.2733,
8.4954

■ 78.1589, 67.5124,
103.5195

■ 25.7233, 42.5559,
7.3177

■ 79.0310, 67.9620,
103.5603

■ 24.7764, 42.0778,
6.8160

Harmonies

Analogous

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



49.2937, 52.6488, 44.1515



46.9535, 52.6488, 46.7172



45.4767, 52.6488, 52.1826

Triad

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



46.9535, 52.6488, 46.7172



48.2115, 52.6488, 71.9025



55.2156, 52.6488, 55.2011

Complementary

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



46.9535, 52.6488, 46.7172



44.4856, 43.6823, 58.3143

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.



54.9011, 52.6488, 62.7958



46.9535, 52.6488, 46.7172



50.7960, 52.6488, 72.8898

Square

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



46.9535, 52.6488, 46.7172



46.1851, 52.6488, 66.8392



53.2612, 52.6488, 69.4294



54.1059, 52.6488, 48.7605

Rectangle

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



46.9535, 52.6488, 46.7172



45.1497, 52.6488, 56.9556



53.2612, 52.6488, 69.4294



55.2737, 52.6488, 57.6972

Sweetspot

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



46.9549, 52.6511, 46.7183



91.5991, 98.4057, 100.3926



47.3539, 48.9973, 45.9921



19.4703, 21.0001, 21.1566



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.9549, 52.6511, 46.7183



82.8013, 94.3276, 79.3182



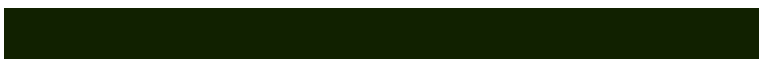
44.2011, 51.2314, 46.5895



10.4134, 11.5006, 10.7329



16.0184, 27.0866, 4.3840



0.7716, 1.2113, 0.1931

Inverse Universe

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



44.4856, 43.6823, 58.3143



77.3502, 74.5290, 104.9165



47.4833, 45.2277, 58.4546



9.9974, 9.9898, 12.6861



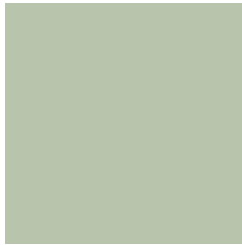
9.7392, 4.2812, 33.8696



0.5003, 0.2260, 1.4671

Previews

White Background



This preview shows how the XYZ color 46.9535, 52.6488, 46.7172 looks on a white background.

Color Contrast Check

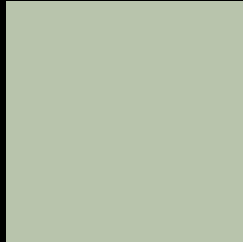
Large Text (above 18pt) WCAG AA × Fail

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 46.9535, 52.6488, 46.7172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

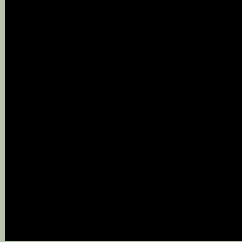
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

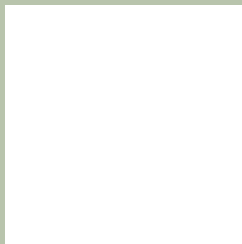
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9535, 52.6488, 46.7172

Background



This preview shows how black text looks on a background with the XYZ color 46.9535, 52.6488, 46.7172.



This preview shows how white text looks on a background with the XYZ color 46.9535, 52.6488,

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

46.9535, 52.6488, 46.7172

Protanopia

49.6117, 52.4055, 45.0366

Deuteranopia

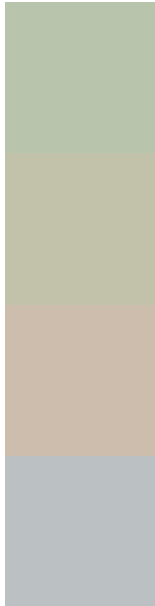
53.6042, 52.5056, 47.3538



Tritanopia

50.7576, 52.5367, 65.8579

Trichromacy



Original Color

46.9535, 52.6488, 46.7172

Protanomaly

48.5738, 52.5115, 45.6058

Deuteranomaly

50.9173, 52.3915, 46.9641

Tritanomaly

49.3011, 52.5998, 58.5933

Monochromacy



Original Color

46.9535, 52.6488, 46.7172

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.1359, 51.8095, 52.2630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9535, 52.6488, 46.7172 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(184, 196, 172)` looks like.

```
.text, #text, p{  
    color:rgb(184, 196, 172)  
}
```

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(184, 196, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 196, 172) }
```

Border

The CSS property to change the border of an element to XYZ 46.9535, 52.6488, 46.7172 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(184, 196, 172) }
```


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

```
.border{ border-color:rgb(184, 196, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 196, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 196, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 196, 172);  
box-shadow:4px 4px 4px 4px rgb(184, 196,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9535, 52.6488, 46.7172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 196, 172) }
```

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

```
.background{ background-color: rgb(184,  
196, 172) }
```

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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