

Converting Colors

XYZ(46.5327, 52.1029, 49.6799)

Have a look what the booklet for
XYZ(46.5327, 52.1029, 49.6799)
contains.

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Color

**XYZ(46.6070, 52.0683,
49.7132)**

Conversions

Conversions Part 1

Format	Color
Hex	B5C3B2
RGB	181, 195, 178
RGB Percent	71%, 76%, 70%
CMY	0.2902, 0.2353, 0.3020
CMYK	0.07, 0.00, 0.09, 0.24
HSL	109°, 12%, 73%
HSV	109°, 9%, 76%
XYZ	46.6070, 52.0683, 49.7132
YIQ	188.8760, -2.8870, -8.2550

Conversions

Conversions Part 2

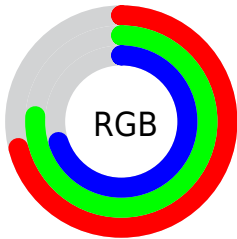
Format	Color
RYB	178, 195, 192
Decimal	11912114
CIELab	77.32, -7.97, 6.89
CIELCh	77, 10.535, 139.123
Yxy	52.0683, 0.3141, 0.3509
Android (android.graphics.Color)	4290102194 (0xFFB5C3B2)
YUV	188.8760, -5.3619, -6.9073
Hunter-Lab	72.1584, -10.9842, 9.6633

Details

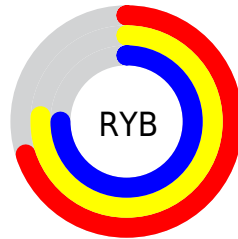
The XYZ color **46.6070, 52.0683, 49.7132** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.5110, 46.9888, 58.1981**, and the grayscale version is **48.3309, 50.8479, 55.3734**.

A 20% lighter version of the original color is **84.5867, 93.5658, 91.4437**, and **22.1286, 25.1196, 23.0843** is the 20% darker color. If you saturate the color by 10%, you get **41.2356, 49.5111, 39.9576**, and if you desaturate by 10%, it is **52.6938, 54.9651, 60.9574**.

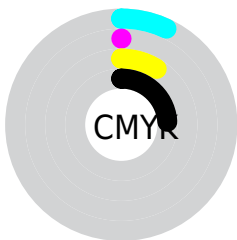
Distribution



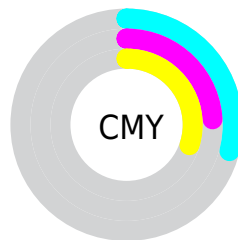
- Red (71%)
- Green (76%)
- Blue (70%)



- Red (70%)
- Yellow (76%)
- Blue (75%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)



- Cyan (29%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6070, 52.0683, 49.7132 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 46.6070, 52.0683, 49.7132 by changing the saturation by 10% instead.

■ 46.6070, 52.0683,
49.7132

■ 46.6070, 52.0683,
49.7132

363.9188,
394.7002, 402.2462

■ 32.9317, 37.0595,
34.8160

■ 84.3490, 93.2320,
91.1417

■ 22.2331, 25.2536,
23.2387

109.1465,
120.1556, 118.5101

■ 14.1459, 16.2661,
14.5629

138.3820,
151.8197, 150.8726

■ 8.3046, 9.7126,
8.3700

172.4210,
188.6086, 188.6478

■ 4.3439, 5.2088,
4.2415

211.6289,
230.9067, 232.2542

■ 1.8985, 2.3703,
1.7587

256.3709,

■ 0.5759, 0.8106,

279.0984, 282.1104

0.4005

307.0124,
333.5681, 338.6349

■ 0.0000, 0.0000,
0.0000

■ 46.6070, 52.0683,
49.7132

■ 46.6070, 52.0683,
49.7132

■ 41.2356, 49.5111,
39.9576

■ 52.6938, 54.9651,
60.9574

■ 36.5489, 47.2746,
31.6249

■ 59.5167, 58.2065,
73.7454

■ 32.5205, 45.3481,
24.6497

■ 67.1009, 61.8056,
88.1335

■ 29.1202, 43.7176,
18.9600

■ 75.3070, 65.7084,
103.3216

■ 26.3158, 42.3682,
14.4774

■ 78.8061, 67.5122,
103.4854

■ 24.0720, 41.2836,
11.1145

■ 22.3496, 40.4457,
8.7726

■ 21.1039, 39.8341,
7.3354

■ 20.2734, 39.4211,
6.6122

Harmonies

Analogous

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



48.2264, 52.0683, 46.8090



46.6070, 52.0683, 49.7132



45.7680, 52.0683, 54.6179

Triad

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



46.6070, 52.0683, 49.7132



48.7592, 52.0683, 68.3483



53.2550, 52.0683, 53.1229

Complementary

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



46.6070, 52.0683, 49.7132



47.5110, 46.9888, 58.1981

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.



53.4071, 52.0683, 58.8211



46.6070, 52.0683, 49.7132



50.7742, 52.0683, 67.8799

Square

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



46.6070, 52.0683, 49.7132



46.9879, 52.0683, 65.5378



52.4882, 52.0683, 64.2985



52.0780, 52.0683, 48.6830

Rectangle

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



46.6070, 52.0683, 49.7132



45.7484, 52.0683, 58.4777



52.4882, 52.0683, 64.2985



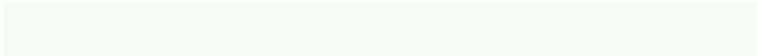
53.4289, 52.0683, 54.9461

Sweetspot

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



46.6084, 52.0705, 49.7143



89.4951, 96.1201, 100.1235



49.3678, 52.4669, 49.6454



19.4031, 20.9564, 21.5649



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.



46.6084, 52.0705, 49.7143



82.0133, 92.5599, 86.3648



46.4640, 51.9324, 52.5856



10.1064, 11.3423, 10.7185



13.1720, 25.6193, 4.2508



0.6212, 1.1338, 0.1861

Inverse Universe

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



47.5110, 46.9888, 58.1981



83.8775, 82.0630, 103.8887



47.6803, 47.1452, 55.0848



10.3174, 10.1548, 12.7011



15.9664, 7.4914, 34.1611



0.7366, 0.3478, 1.4782

Previews

White Background



This preview shows how the XYZ color 46.6070, 52.0683, 49.7132 looks on a white background.

Color Contrast Check

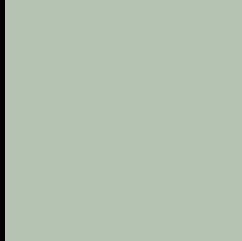
Large Text (above 18pt) WCAG AA × Fail

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 46.6070, 52.0683, 49.7132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

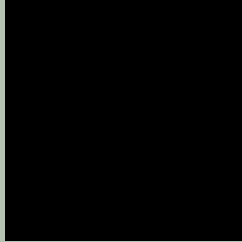
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

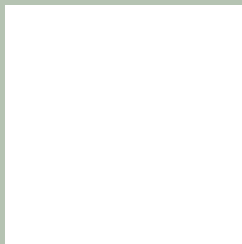
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6070, 52.0683, 49.7132

Background



This preview shows how black text looks on a background with the XYZ color 46.6070, 52.0683, 49.7132.



This preview shows how white text looks on a background with the XYZ color 46.6070, 52.0683,

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

46.6070, 52.0683, 49.7132

Protanopia

49.4400, 51.9278, 47.9747

Deuteranopia

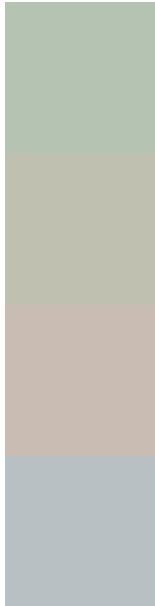
52.8193, 51.7224, 50.3796



Tritanopia

49.7790, 52.0321, 65.8121

Trichromacy



Original Color

46.6070, 52.0683, 49.7132

Protanomaly

48.4243, 52.0403, 48.5668

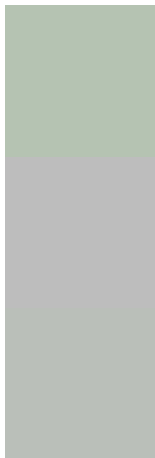
Deuteranomaly

50.2073, 51.6386, 49.9689

Tritanomaly

48.5806, 51.8751, 59.6770

Monochromacy



Original Color

46.6070, 52.0683, 49.7132

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6375, 51.2035, 53.2714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6070, 52.0683, 49.7132 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(181, 195, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 195, 178)  
}
```

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(181, 195, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 195, 178) }
```

Border

The CSS property to change the border of an element to XYZ 46.6070, 52.0683, 49.7132 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(181, 195, 178) }
```


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

```
.border{ border-color:rgb(181, 195, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 195, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 195, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 195, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 195,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6070, 52.0683, 49.7132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 195, 178) }
```

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

```
.background{ background-color: rgb(181,  
195, 178) }
```

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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