

Converting Colors

XYZ(46.9182, 53.4763, 49.5284)

Have a look what the booklet for
XYZ(46.9182, 53.4763, 49.5284)
contains.

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Color

**XYZ(46.9496, 53.6049,
49.4672)**

Conversions

Conversions Part 1

Format	Color
Hex	B3C7B1
RGB	179, 199, 177
RGB Percent	70%, 78%, 69%
CMY	0.2980, 0.2196, 0.3059
CMYK	0.10, 0.00, 0.11, 0.22
HSL	115°, 16%, 74%
HSV	115°, 11%, 78%
XYZ	46.9496, 53.6049, 49.4672
YIQ	190.5120, -4.8580, -11.0820

Conversions

Conversions Part 2

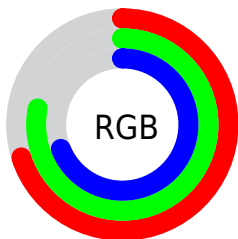
Format	Color
RYB	177, 199, 197
Decimal	11782065
CIELab	78.23, -10.92, 8.72
CIELCh	78, 13.973, 141.404
Yxy	53.6049, 0.3130, 0.3573
Android (android.graphics.Color)	4289972145 (0xFFB3C7B1)
YUV	190.5120, -6.6614, -10.0960
Hunter-Lab	73.2154, -13.6632, 11.1921

Details

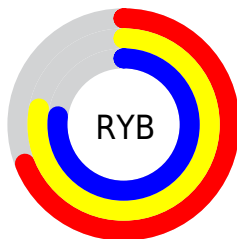
The XYZ color **46.9496, 53.6049, 49.4672** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.0591, 47.4396, 60.6067**, and the grayscale version is **49.2794, 51.8457, 56.4600**.

A 20% lighter version of the original color is **84.7289, 95.0654, 90.9746**, and **22.3677, 26.1417, 22.9357** is the 20% darker color. If you saturate the color by 10%, you get **41.1985, 50.8544, 39.5880**, and if you desaturate by 10%, it is **53.5416, 56.7586, 60.8980**.

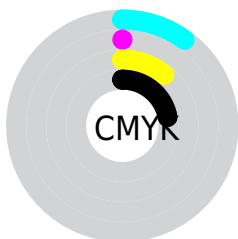
Distribution



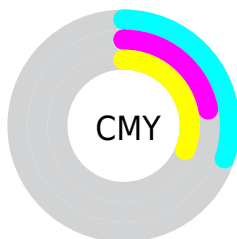
- Red (70%)
- Green (78%)
- Blue (69%)



- Red (69%)
- Yellow (78%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)
- Black (22%)



- Cyan (30%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9496, 53.6049, 49.4672 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 46.9496, 53.6049, 49.4672 by changing the saturation by 10% instead.

■ 46.9496, 53.6049,
49.4672

■ 46.9496, 53.6049,
49.4672

365.2656,
400.6016, 401.2539

■ 33.2036, 38.2859,
34.6220

■ 84.8576, 95.4939,
90.7731

■ 22.4424, 26.2046,
23.0906

109.7503,
122.8326, 118.0709

■ 14.3008, 16.9768,
14.4545

139.0892,
154.9467, 150.3567

■ 8.4133, 10.2179,
8.2951

173.2398,
192.2206, 188.0490

■ 4.4145, 5.5437,
4.1939

212.5674,
235.0386, 231.5663

■ 1.9392, 2.5697,
1.7323

257.4373,

■ 0.5995, 0.9114,

283.7852, 281.3272

0.3827

308.2149,
338.8447, 337.7502

■ 0.0000, 0.0000,
0.0000

■ 46.9496, 53.6049,
49.4672

■ 46.9496, 53.6049,
49.4672

■ 41.1985, 50.8544,
39.5880

■ 53.5416, 56.7586,
60.8980

■ 36.2502, 48.4842,
31.1902

■ 61.0019, 60.3236,
73.9394

■ 32.0703, 46.4797,
24.2035

■ 69.3620, 64.3164,
88.6519

■ 28.6202, 44.8226,
18.5504

■ 78.3914, 68.6469,
103.7262

■ 25.8576, 43.4931,
14.1461

■ 79.7145, 69.3290,
103.7882

■ 23.7363, 42.4692,
10.8960

■ 22.2041, 41.7265,
8.6921

■ 21.2005, 41.2366,
7.4057

■ 20.6755, 40.9784,
6.8199

Harmonies

Analogous

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



49.0548, 53.6049, 45.4385



46.9496, 53.6049, 49.4672



45.9254, 53.6049, 56.1446

Triad

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



46.9496, 53.6049, 49.4672



50.1680, 53.6049, 74.5592



56.0040, 53.6049, 53.0414

Complementary

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



46.9496, 53.6049, 49.4672



49.0591, 47.4396, 60.6067

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.



56.3280, 53.6049, 60.6465



46.9496, 53.6049, 49.4672



52.8931, 53.6049, 73.5401

Square

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



46.9496, 53.6049, 49.4672



47.7395, 53.6049, 70.9456



55.1711, 53.6049, 68.2741



54.3010, 53.6049, 47.3700

Rectangle

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



46.9496, 53.6049, 49.4672



45.9672, 53.6049, 61.3953



55.1711, 53.6049, 68.2741



56.2802, 53.6049, 55.4392

Sweetspot

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



46.9511, 53.6072, 49.4684



91.3300, 98.2217, 102.4242



51.4122, 55.1608, 49.5331



19.3407, 20.9242, 21.5620



0.0000, 0.0000, 0.0000



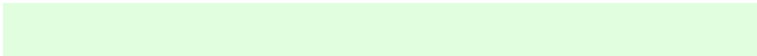
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9511, 53.6072, 49.4684



79.9331, 92.7713, 82.6956



47.3983, 53.7331, 54.2179



10.5854, 11.9332, 11.3082



13.3270, 26.3656, 4.3867



0.6624, 1.2646, 0.2092

Inverse Universe

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



49.0591, 47.4396, 60.6067



84.2719, 80.0760, 105.6224



48.5934, 47.3142, 55.4032



10.9844, 10.7657, 13.4165



18.9086, 8.9820, 35.4815



0.9238, 0.4400, 1.6814

Previews

White Background



This preview shows how the XYZ color 46.9496, 53.6049, 49.4672 looks on a white background.

Color Contrast Check

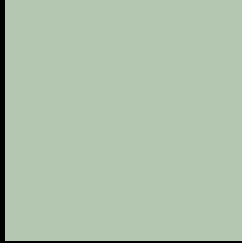
Large Text (above 18pt) WCAG AA × Fail

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 46.9496, 53.6049, 49.4672 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

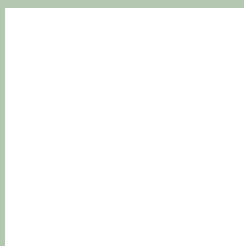
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9496, 53.6049, 49.4672

Background



This preview shows how black text looks on a background with the XYZ color 46.9496, 53.6049, 49.4672.



This preview shows how white text looks on a background with the XYZ color 46.9496, 53.6049,

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

46.9496, 53.6049, 49.4672

Protanopia

50.7973, 53.6134, 47.7155

Deuteranopia

54.4124, 53.1648, 50.5740



Tritanopia

50.6918, 53.4271, 68.6135

Trichromacy



Original Color

46.9496, 53.6049, 49.4672

Protanomaly

49.2453, 53.4628, 48.2813

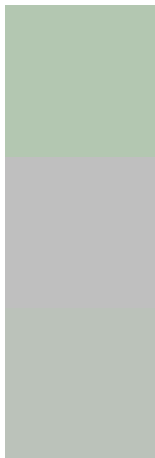
Deuteranomaly

51.3961, 53.2128, 50.2101

Tritanomaly

49.2244, 53.5022, 61.1586

Monochromacy



Original Color

46.9496, 53.6049, 49.4672

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.6482, 52.6935, 54.0612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9496, 53.6049, 49.4672 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(179, 199, 177)` looks like.

```
.text, #text, p{  
    color:rgb(179, 199, 177)  
}
```

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(179, 199, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 199, 177) }
```

Border

The CSS property to change the border of an element to XYZ 46.9496, 53.6049, 49.4672 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(179, 199, 177) }
```


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

```
.border{ border-color:rgb(179, 199, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 199, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 199, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 199, 177);  
box-shadow:4px 4px 4px 4px rgb(179, 199,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9496, 53.6049, 49.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 199, 177) }
```

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

```
.background{ background-color: rgb(179,  
199, 177) }
```

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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