

Converting Colors

XYZ(46.4630, 52.6522, 50.3618)

Have a look what the booklet for
XYZ(46.4630, 52.6522, 50.3618)
contains.

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Color

**XYZ(46.4630, 52.6522,
50.3618)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C5B3
RGB	178, 197, 179
RGB Percent	70%, 77%, 70%
CMY	0.3020, 0.2274, 0.2980
CMYK	0.10, 0.00, 0.09, 0.23
HSL	123°, 14%, 74%
HSV	123°, 10%, 77%
XYZ	46.4630, 52.6522, 50.3618
YIQ	189.2670, -5.5460, -9.6260

Conversions

Conversions Part 2

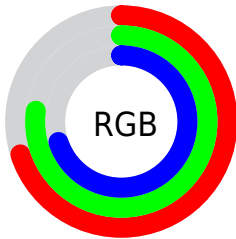
Format	Color
RYB	178, 196, 197
Decimal	11716019
CIELab	77.67, -9.87, 6.83
CIELCh	78, 12.001, 145.330
Yxy	52.6522, 0.3108, 0.3522
Android (android.graphics.Color)	4289906099 (0xFFB2C5B3)
YUV	189.2670, -5.0616, -9.8812
Hunter-Lab	72.5618, -12.6856, 9.6428

Details

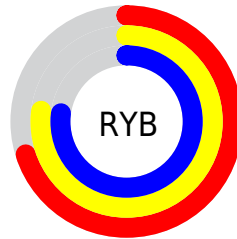
The XYZ color **46.4630, 52.6522, 50.3618** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.9121, 47.6978, 58.8557**, and the grayscale version is **48.5542, 51.0828, 55.6291**.

A 20% lighter version of the original color is **84.3689, 94.3742, 92.3666**, and **22.0458, 25.5113, 23.5009** is the 20% darker color. If you saturate the color by 10%, you get **40.5018, 49.7842, 40.8876**, and if you desaturate by 10%, it is **53.3318, 55.9616, 61.2143**.

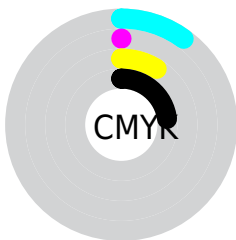
Distribution



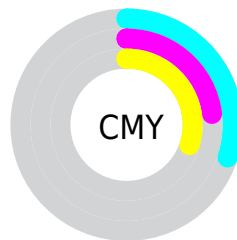
- Red (70%)
- Green (77%)
- Blue (70%)



- Red (70%)
- Yellow (77%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)



- Cyan (30%)
- Magenta (23%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4630, 52.6522, 50.3618 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 46.4630, 52.6522, 50.3618 by changing the saturation by 10% instead.

■ 46.4630, 52.6522,
50.3618

■ 46.4630, 52.6522,
50.3618

363.3518,
396.9493, 404.8546

■ 32.8175, 37.5252,
35.3278

■ 84.1351, 94.0924,
92.1125

■ 22.1452, 25.6144,
23.6299

108.8925,
121.1744, 119.6663

■ 14.0809, 16.5354,
14.8496

138.0845,
153.0101, 152.2304

■ 8.2590, 9.9038,
8.5685

172.0765,
189.9840, 190.2233

■ 4.3143, 5.3352,
4.3679

211.2338,
232.4805, 234.0637

■ 1.8814, 2.4453,
1.8292

255.9220,

■ 0.5660, 0.8490,

280.8840, 284.1700

0.4471

306.5061,
335.5788, 340.9608

■ 0.0000, 0.0000,
0.0000

■ 46.4630, 52.6522,
50.3618

■ 46.4630, 52.6522,
50.3618

■ 40.5018, 49.7842,
40.8876

■ 53.3318, 55.9616,
61.2143

■ 35.4062, 47.3325,
32.7333

■ 61.1393, 59.7229,
73.4936

■ 31.1371, 45.2798,
25.8414

■ 69.9207, 63.9544,
87.2500

■ 27.6511, 43.6051,
20.1489

■ 79.0414, 68.3283,
102.4990

■ 24.9004, 42.2852,
15.5871

■ 79.2573, 68.4146,
103.6358

■ 22.8324, 41.2945,
12.0808

■ 21.3871, 40.6041,
9.5454

■ 20.4944, 40.1797,
7.8833

■ 20.0366, 39.9634,
6.9752

Harmonies

Analogous

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



48.1592, 52.6522, 46.5356



46.4630, 52.6522, 50.3618



45.7269, 52.6522, 56.2949

Triad

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



46.4630, 52.6522, 50.3618



49.6818, 52.6522, 71.0346



54.1874, 52.6522, 52.0333

Complementary

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



46.4630, 52.6522, 50.3618



48.9121, 47.6978, 58.8557

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.



54.6253, 52.6522, 58.3763



46.4630, 52.6522, 50.3618



51.9780, 52.6522, 69.6748

Square

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



46.4630, 52.6522, 50.3618



47.5484, 52.6522, 68.4964



53.8051, 52.6522, 64.9115



52.6262, 52.6522, 47.4471

Rectangle

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



46.4630, 52.6522, 50.3618



45.8626, 52.6522, 60.7750



53.8051, 52.6522, 64.9115



54.4729, 52.6522, 54.0163

Sweetspot

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



46.4645, 52.6544, 50.3630



91.1463, 98.1198, 102.7410



50.7824, 54.8921, 50.0387



19.2913, 20.8968, 21.6470



0.0000, 0.0000, 0.0000



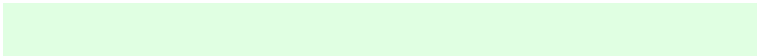
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4645, 52.6544, 50.3630



80.3536, 92.9229, 85.6602



47.4537, 53.0501, 55.5720



10.5197, 11.8968, 11.4211



13.1798, 26.2843, 4.6255



0.6321, 1.2478, 0.2615

Inverse Universe

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



48.9121, 47.6978, 58.8557



85.7950, 81.9032, 104.5408



47.8696, 47.2808, 53.3661



11.0581, 10.8066, 13.2890



21.0288, 10.1611, 31.6911



1.0033, 0.4842, 1.5404

Previews

White Background



This preview shows how the XYZ color 46.4630, 52.6522, 50.3618 looks on a white background.

Color Contrast Check

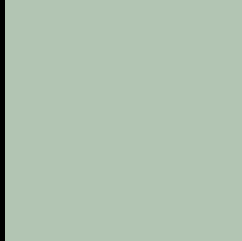
Large Text (above 18pt) WCAG AA × Fail

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 46.4630, 52.6522, 50.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

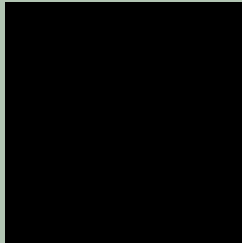
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

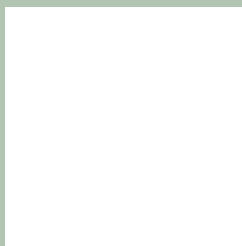
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4630, 52.6522, 50.3618

Background



This preview shows how black text looks on a background with the XYZ color 46.4630, 52.6522, 50.3618.



This preview shows how white text looks on a background with the XYZ color 46.4630, 52.6522,

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

46.4630, 52.6522, 50.3618

Protanopia

50.0205, 52.5383, 48.5788

Deuteranopia

53.4210, 52.3303, 51.0012



Tritanopia

49.9836, 52.7613, 67.2240

Trichromacy



Original Color

46.4630, 52.6522, 50.3618

Protanomaly

48.4916, 52.3906, 49.1516

Deuteranomaly

50.5232, 52.1080, 50.5750

Tritanomaly

48.4259, 52.4385, 60.3927

Monochromacy



Original Color

46.4630, 52.6522, 50.3618

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6142, 51.5163, 53.3331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4630, 52.6522, 50.3618 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(178, 197, 179)` looks like.

```
.text, #text, p{  
    color:rgb(178, 197, 179)  
}
```

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(178, 197, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 197, 179) }
```

Border

The CSS property to change the border of an element to XYZ 46.4630, 52.6522, 50.3618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

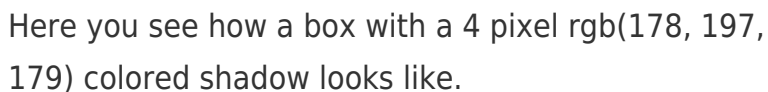
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 197, 179) }
```


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

```
.border{ border-color:rgb(178, 197, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 197, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 197, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 197, 179); box-shadow:4px 4px 4px 4px rgb(178, 197, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4630, 52.6522, 50.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 197, 179) }
```

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

```
.background{ background-color: rgb(178,  
197, 179) }
```

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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