

Converting Colors

XYZ(46.7046, 52.2622, 53.2400)

Have a look what the booklet for
XYZ(46.7046, 52.2622, 53.2400)
contains.

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Color

**XYZ(46.7518, 52.4055,
52.9986)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C4B8
RGB	178, 196, 184
RGB Percent	70%, 77%, 72%
CMY	0.3020, 0.2314, 0.2784
CMYK	0.09, 0.00, 0.06, 0.23
HSL	140°, 13%, 73%
HSV	140°, 9%, 77%
XYZ	46.7518, 52.4055, 52.9986
YIQ	189.2500, -6.8760, -7.5480

Conversions

Conversions Part 2

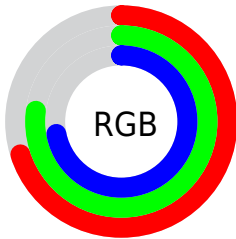
Format	Color
RYB	178, 192, 196
Decimal	11715768
CIELab	77.52, -8.42, 3.92
CIELCh	78, 9.292, 155.042
Yxy	52.4055, 0.3073, 0.3444
Android (android.graphics.Color)	4289905848 (0xFFB2C4B8)
YUV	189.2500, -2.5882, -9.8663
Hunter-Lab	72.3916, -11.4069, 7.2674

Details

The XYZ color **46.7518, 52.4055, 52.9986** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.9816, 47.2957, 55.3179**, and the grayscale version is **48.5313, 51.0587, 55.6029**.

A 20% lighter version of the original color is **84.7851, 94.0343, 96.1198**, and **22.2272, 25.3447, 25.1932** is the 20% darker color. If you saturate the color by 10%, you get **41.2648, 49.7294, 45.9186**, and if you desaturate by 10%, it is **53.0109, 55.4680, 60.7776**.

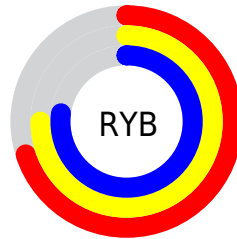
Distribution



Red (70%)

Green (77%)

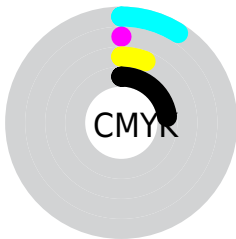
Blue (72%)



Red (70%)

Yellow (75%)

Blue (77%)

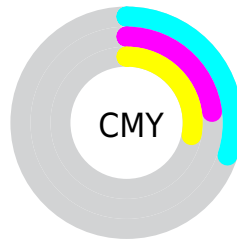


Cyan (9%)

Magenta (0%)

Yellow (6%)

Black (23%)



Cyan (30%)

Magenta (23%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7518, 52.4055, 52.9986 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 46.7518, 52.4055, 52.9986 by changing the saturation by 10% instead.

■ 46.7518, 52.4055,
52.9986

■ 46.7518, 52.4055,
52.9986

364.4884,
396.0001, 415.3459

■ 33.0466, 37.3284,
37.4139

■ 84.5640, 93.7290,
96.0438

■ 22.3216, 25.4619,
25.2299

109.4018,
120.7442, 124.3415

■ 14.2113, 16.4215,
16.0278

138.6811,
152.5075, 157.7139

■ 8.3505, 9.8229,
9.3893

172.7673,
189.4033, 196.5796

■ 4.3737, 5.2817,
4.8957

212.0258,
231.8161, 241.3571

■ 1.9156, 2.4135,
2.1285

256.8219,

■ 0.5859, 0.8328,

280.1303, 292.4649

0.6327

307.5210,
334.7301, 350.3217

■ 0.0000, 0.0000,
0.0000

■ 46.7518, 52.4055,
52.9986

■ 46.7518, 52.4055,
52.9986

■ 41.2648, 49.7294,
45.9186

■ 53.0109, 55.4680,
60.7776

■ 36.5151, 47.4176,
39.5149

■ 60.0664, 58.9246,
69.2705

■ 32.4714, 45.4560,
33.7686

■ 67.9473, 62.7913,
78.4964

■ 29.0986, 43.8269,
28.6585

■ 76.1611, 66.8139,
88.4480

■ 26.3586, 42.5110,
24.1624

■ 78.1332, 67.6027,
98.8331

■ 24.2090, 41.4871,
20.2568

■ 79.0309, 67.9618,
103.5603

■ 22.6021, 40.7310,
16.9165

■ 21.4823, 40.2146,
14.1145

■ 20.7558, 39.8901,
11.8201

Harmonies

Analogous

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



47.8581, 52.4055, 49.3591



46.7518, 52.4055, 52.9986



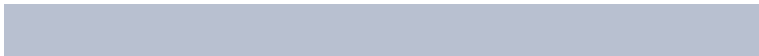
46.4569, 52.4055, 57.9321

Triad

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



46.7518, 52.4055, 52.9986



50.1132, 52.4055, 67.4622



52.6835, 52.4055, 51.5818

Complementary

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



46.7518, 52.4055, 52.9986



47.9816, 47.2957, 55.3179

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.



53.3204, 52.4055, 56.1980



46.7518, 52.4055, 52.9986



51.8139, 52.4055, 65.5244

Square

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



46.7518, 52.4055, 52.9986



48.3705, 52.4055, 66.4797



52.9984, 52.4055, 61.3252



51.2775, 52.4055, 48.5762

Rectangle

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



46.7518, 52.4055, 52.9986



46.7539, 52.4055, 61.3390



52.9984, 52.4055, 61.3252



52.9962, 52.4055, 52.9861

Sweetspot

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



46.7533, 52.4077, 52.9998



91.4809, 98.2537, 104.5032



49.0880, 53.6825, 49.8949



19.3813, 20.9328, 22.1208



0.0000, 0.0000, 0.0000



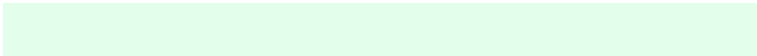
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7533, 52.4077, 52.9998



82.6065, 93.9162, 93.3581



47.6940, 52.7840, 57.9536



10.0798, 11.3130, 11.4236



13.3389, 25.6296, 7.6777



0.6087, 1.1203, 0.5022

Inverse Universe

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



47.9816, 47.2957, 55.3179



85.2765, 82.8033, 98.3968



47.0583, 46.9264, 50.4562



10.3500, 10.1886, 11.9334



17.2871, 8.6046, 14.6899



0.7778, 0.3841, 0.7974

Previews

White Background



This preview shows how the XYZ color 46.7518, 52.4055, 52.9986 looks on a white background.

Color Contrast Check

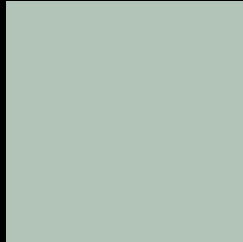
Large Text (above 18pt) WCAG AA × Fail

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 46.7518, 52.4055, 52.9986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

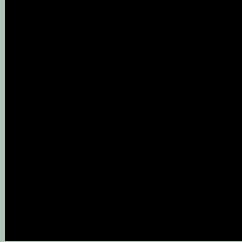
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

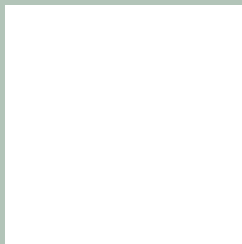
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7518, 52.4055, 52.9986

Background



This preview shows how black text looks on a background with the XYZ color 46.7518, 52.4055, 52.9986.

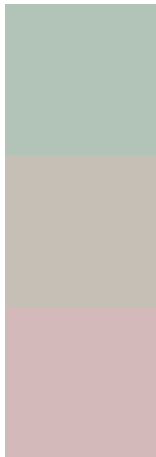


This preview shows how white text looks on a background with the XYZ color 46.7518, 52.4055,

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

46.7518, 52.4055, 52.9986

Protanopia

49.9972, 52.4681, 51.2083

Deuteranopia

53.3633, 52.2401, 53.7252



Tritanopia

49.5262, 52.1984, 67.1395

Trichromacy



Original Color

46.7518, 52.4055, 52.9986

Protanomaly

48.7487, 52.4645, 51.8133

Deuteranomaly

50.7740, 52.1773, 53.2941

Tritanomaly

48.4348, 52.0872, 61.5339

Monochromacy



Original Color

46.7518, 52.4055, 52.9986

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.8269, 51.6014, 54.4530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7518, 52.4055, 52.9986 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, 196, 184) looks like.

```
.text, #text, p{  
    color:rgb(178, 196, 184)  
}
```

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, 196, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 196, 184) }
```

Border

The CSS property to change the border of an element to XYZ 46.7518, 52.4055, 52.9986 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, 196, 184) }
```


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

```
.border{ border-color:rgb(178, 196, 184) }
```

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

Here you see how a box with a 4 pixel rgb(178, 196, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 196, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 196, 184);  
box-shadow:4px 4px 4px 4px rgb(178, 196,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7518, 52.4055, 52.9986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 196, 184) }
```

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

```
.background{ background-color: rgb(178,  
196, 184) }
```

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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