

Converting Colors

XYZ(46.8056, 53.0394, 50.5680)

Have a look what the booklet for
XYZ(46.8056, 53.0394, 50.5680)
contains.

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Color

**XYZ(46.9212, 53.2265,
50.4486)**

Conversions

Conversions Part 1

Format	Color
Hex	B3C6B3
RGB	179, 198, 179
RGB Percent	70%, 78%, 70%
CMY	0.2980, 0.2235, 0.2980
CMYK	0.10, 0.00, 0.10, 0.22
HSL	120°, 14%, 74%
HSV	120°, 10%, 78%
XYZ	46.9212, 53.2265, 50.4486
YIQ	190.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

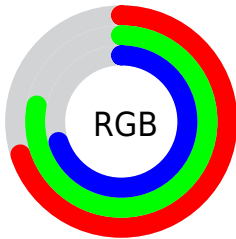
Format	Color
RYB	179, 198, 198
Decimal	11781811
CIELab	78.01, -10.04, 7.32
CIELCh	78, 12.429, 143.899
Yxy	53.2265, 0.3116, 0.3534
Android (android.graphics.Color)	4289971891 (0xFFB3C6B3)
YUV	190.1530, -5.4984, -9.7812
Hunter-Lab	72.9565, -12.8735, 10.0712

Details

The XYZ color **46.9212, 53.2265, 50.4486** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.6038, 48.3246, 60.1418**, and the grayscale version is **49.0657, 51.6210, 56.2153**.

A 20% lighter version of the original color is **85.0163, 95.1803, 92.4881**, and **22.3433, 25.8885, 23.5580** is the 20% darker color. If you saturate the color by 10%, you get **40.8086, 50.2919, 40.4490**, and if you desaturate by 10%, it is **53.9815, 56.6195, 61.9958**.

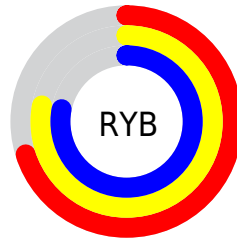
Distribution



Red (70%)

Green (78%)

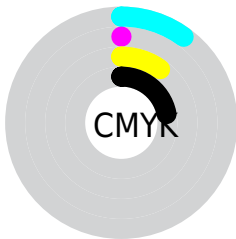
Blue (70%)



Red (70%)

Yellow (78%)

Blue (78%)

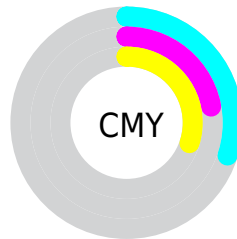


Cyan (10%)

Magenta (0%)

Yellow (10%)

Black (22%)



Cyan (30%)

Magenta (22%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9212, 53.2265, 50.4486 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 46.9212, 53.2265, 50.4486 by changing the saturation by 10% instead.

■ 46.9212, 53.2265,
50.4486

■ 46.9212, 53.2265,
50.4486

365.1541,
399.1535, 405.2029

■ 33.1811, 37.9836,
35.3963

■ 84.8154, 94.9376,
92.2423

■ 22.4251, 25.9700,
23.6823

109.7003,
122.1746, 119.8208

■ 14.2879, 16.8012,
14.8881

139.0307,
154.1784, 152.4118

■ 8.4042, 10.0928,
8.5951

173.1720,
191.3334, 190.4338

■ 4.4086, 5.4606,
4.3849

212.4897,
234.0240, 234.3054

■ 1.9358, 2.5199,
1.8388

257.3490,

■ 0.5975, 0.8866,

282.6346, 284.4451

0.4534

308.1153,
337.5497, 341.2714

■ 0.0000, 0.0000,
0.0000

■ 46.9212, 53.2265,
50.4486

■ 46.9212, 53.2265,
50.4486

■ 40.8086, 50.2919,
40.4490

■ 53.9815, 56.6195,
61.9958

■ 35.5991, 47.7895,
31.9280

■ 62.0228, 60.4822,
75.1488

■ 31.2514, 45.7011,
24.8166

■ 71.0822, 64.8338,
89.9670

■ 27.7191, 44.0043,
19.0388

■ 79.4851, 68.8702,
103.7117

■ 24.9513, 42.6748,
14.5114

■ 22.8915, 41.6854,
11.1423

■ 21.4756, 41.0052,
8.8262

■ 20.6276, 40.5979,
7.4391

■ 20.2094, 40.3971,
6.7552

Harmonies

Analogous

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



48.7275, 53.2265, 46.5998



46.9212, 53.2265, 50.4486



46.1010, 53.2265, 56.5492

Triad

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



46.9212, 53.2265, 50.4486



50.0971, 53.2265, 72.2482



54.9669, 53.2265, 52.7192

Complementary

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



46.9212, 53.2265, 50.4486



49.6038, 48.3246, 60.1418

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.



55.3618, 53.2265, 59.3831



46.9212, 53.2265, 50.4486



52.4998, 53.2265, 71.0186

Square

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



46.9212, 53.2265, 50.4486



47.8965, 53.2265, 69.4083



54.4456, 53.2265, 66.1705



53.3830, 53.2265, 47.8358

Rectangle

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



46.9212, 53.2265, 50.4486



46.2044, 53.2265, 61.2167



54.4456, 53.2265, 66.1705



55.2451, 53.2265, 54.8105

Sweetspot

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



46.9227, 53.2288, 50.4498



91.0839, 98.0949, 102.4127



51.6218, 55.6512, 50.6696



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000



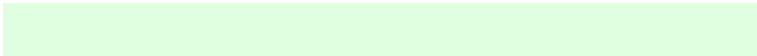
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9227, 53.2288, 50.4498



80.1335, 92.8348, 84.5014



47.9172, 53.6266, 55.6872



10.4975, 11.8879, 11.3041



13.1327, 26.2655, 4.3776



0.6218, 1.2437, 0.2073

Inverse Universe

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



49.6038, 48.3246, 60.1418



86.0533, 82.0066, 105.9009



48.5417, 47.8997, 54.5488



11.0832, 10.8166, 13.4211



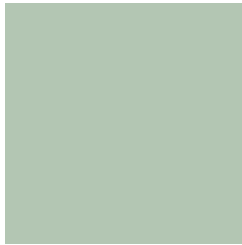
21.7739, 10.4591, 35.6150



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 46.9212, 53.2265, 50.4486 looks on a white background.

Color Contrast Check

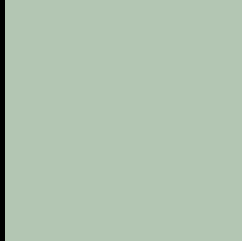
Large Text (above 18pt) WCAG AA × Fail

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 46.9212, 53.2265, 50.4486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

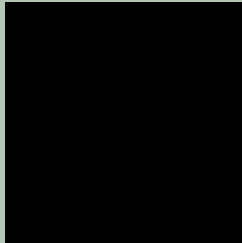
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

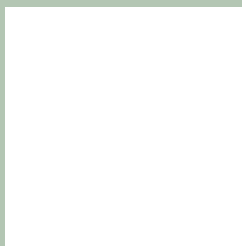
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9212, 53.2265, 50.4486

Background



This preview shows how black text looks on a background with the XYZ color 46.9212, 53.2265, 50.4486.



This preview shows how white text looks on a background with the XYZ color 46.9212, 53.2265,

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

46.9212, 53.2265, 50.4486

Protanopia

50.5055, 53.1132, 48.6642

Deuteranopia

53.9237, 52.9011, 51.0849



Tritanopia

50.5676, 53.3774, 67.9593

Trichromacy



Original Color

46.9212, 53.2265, 50.4486

Protanomaly

48.9658, 52.9644, 49.2373

Deuteranomaly

51.0088, 52.6788, 50.6596

Tritanomaly

48.9996, 53.0525, 61.0837

Monochromacy



Original Color

46.9212, 53.2265, 50.4486

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.1826, 52.1242, 53.9759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9212, 53.2265, 50.4486 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, 198, 179)` looks like.

```
.text, #text, p{  
    color:rgb(179, 198, 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(179, 198, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 198, 179) }
```

Border

The CSS property to change the border of an element to XYZ 46.9212, 53.2265, 50.4486 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, 198, 179) }
```


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

```
.border{ border-color:rgb(179, 198, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 198, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 198, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 198, 179);  
box-shadow:4px 4px 4px 4px rgb(179, 198,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9212, 53.2265, 50.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 198, 179) }
```

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

```
.background{ background-color: rgb(179,  
198, 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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