

Converting Colors

XYZ(45.6313, 49.4846, 52.1073)

Have a look what the booklet for
XYZ(45.6313, 49.4846, 52.1073)
contains.

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Color

**XYZ(45.5672, 49.5174,
51.9559)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BDB7
RGB	180, 189, 183
RGB Percent	71%, 74%, 72%
CMY	0.2941, 0.2588, 0.2823
CMYK	0.05, 0.00, 0.03, 0.26
HSL	140°, 6%, 72%
HSV	140°, 5%, 74%
XYZ	45.5672, 49.5174, 51.9559
YIQ	185.6250, -3.4380, -3.7740

Conversions

Conversions Part 2

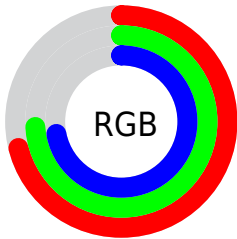
Format	Color
RYB	180, 187, 189
Decimal	11845047
CIELab	75.77, -4.24, 1.94
CIELCh	76, 4.664, 155.405
Yxy	49.5174, 0.3099, 0.3368
Android (android.graphics.Color)	4290035127 (0xFFB4BDB7)
YUV	185.6250, -1.2941, -4.9331
Hunter-Lab	70.3686, -7.5573, 5.4819

Details

The XYZ color **45.5672, 49.5174, 51.9559** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.1722, 47.0077, 53.0966**, and the grayscale version is **46.4719, 48.8921, 53.2435**.

A 20% lighter version of the original color is **82.8245, 89.3697, 94.5461**, and **21.5858, 23.7321, 24.5621** is the 20% darker color. If you saturate the color by 10%, you get **40.2103, 46.9021, 45.1622**, and if you desaturate by 10%, it is **51.6444, 52.4933, 59.3985**.

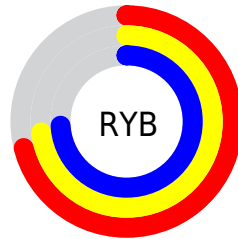
Distribution



Red (71%)

Green (74%)

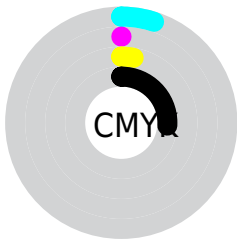
Blue (72%)



Red (71%)

Yellow (73%)

Blue (74%)

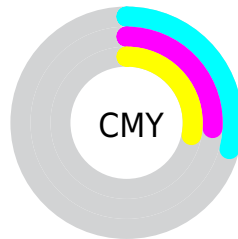


Cyan (5%)

Magenta (0%)

Yellow (3%)

Black (26%)



Cyan (29%)

Magenta (26%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5672, 49.5174, 51.9559 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 45.5672, 49.5174, 51.9559 by changing the saturation by 10% instead.

■ 45.5672, 49.5174,
51.9559

■ 45.5672, 49.5174,
51.9559

359.8111,
384.7757, 411.2184

■ 32.1076, 35.0301,
36.5879

■ 82.8027, 89.4594,
94.4921

■ 21.5996, 23.6861,
24.5953

107.3094,
115.6829, 122.4974

■ 13.6780, 15.1009,
15.5595

136.2291,
146.5873, 155.5523

■ 7.9772, 8.8902,
9.0621

169.9272,
182.5569, 194.0752

■ 4.1321, 4.6697,
4.6843

208.7692,
223.9761, 238.4848

■ 1.7771, 2.0548,
2.0078

253.1202,

■ 0.5038, 0.6390,

271.2294, 289.1994

0.5601

303.3457,
324.7011, 346.6378

■ 0.0000, 0.0000,
0.0000

■ 45.5672, 49.5174,
51.9559

■ 45.5672, 49.5174,
51.9559

■ 40.2103, 46.9021,
45.1622

■ 51.6444, 52.4933,
59.3985

■ 35.5424, 44.6273,
38.9969

■ 58.4633, 55.8362,
67.5033

■ 31.5358, 42.6806,
33.4430

■ 66.0499, 59.5607,
76.2875

■ 28.1595, 41.0464,
28.4817

■ 74.2052, 63.5638,
85.7561

■ 25.3799, 39.7077,
24.0930

■ 76.0750, 64.3117,
95.6022

■ 23.1602, 38.6460,
20.2561

■ 77.4886, 64.8771,
103.0462

■ 21.4592, 37.8405,
16.9486

■ 20.2296, 37.2674,
14.1466

■ 19.4148, 36.8979,
11.8242

Harmonies

Analogous

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



46.1069, 49.5174, 50.1225



45.5672, 49.5174, 51.9559



45.4268, 49.5174, 54.3664

Triad

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



45.5672, 49.5174, 51.9559



47.2218, 49.5174, 58.8034



48.4348, 49.5174, 51.2006

Complementary

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



45.5672, 49.5174, 51.9559



46.1722, 47.0077, 53.0966

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.



48.7417, 49.5174, 53.4681



45.5672, 49.5174, 51.9559



48.0359, 49.5174, 57.8963

Square

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



45.5672, 49.5174, 51.9559



46.3753, 49.5174, 58.3686



48.5949, 49.5174, 55.9249



47.7611, 49.5174, 49.6959

Rectangle

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



45.5672, 49.5174, 51.9559



45.5769, 49.5174, 55.9875



48.5949, 49.5174, 55.9249



48.5847, 49.5174, 51.8963

Sweetspot

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



45.5686, 49.5195, 51.9570



85.5338, 90.6047, 97.9072



46.7239, 50.1508, 50.3980



18.4057, 19.4900, 21.0693



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



45.5686, 49.5195, 51.9570



80.2574, 88.0239, 91.3626



46.0288, 49.7036, 54.3804



9.8775, 10.8674, 11.2379



12.8793, 24.7420, 7.4271



0.5355, 0.9816, 0.4541

Inverse Universe

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



46.1722, 47.0077, 53.0966



81.6286, 82.3182, 93.9511



45.7164, 46.8254, 50.6962



10.0592, 10.1113, 11.5809



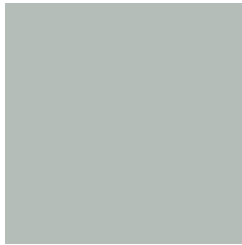
16.6914, 8.3077, 14.2006



0.6830, 0.3371, 0.7099

Previews

White Background



This preview shows how the XYZ color 45.5672, 49.5174, 51.9559 looks on a white background.

Color Contrast Check

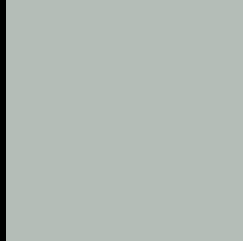
Large Text (above 18pt) WCAG AA × Fail

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 45.5672, 49.5174, 51.9559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

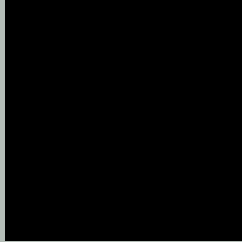
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

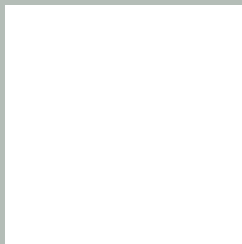
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5672, 49.5174, 51.9559

Background



This preview shows how black text looks on a background with the XYZ color 45.5672, 49.5174, 51.9559.



This preview shows how white text looks on a background with the XYZ color 45.5672, 49.5174,

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

45.5672, 49.5174, 51.9559

Protanopia

47.3853, 49.5304, 50.7789

Deuteranopia

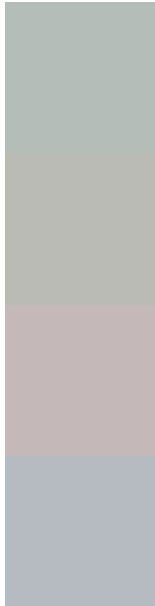
50.4577, 49.5297, 52.7997



Tritanopia

47.6300, 49.4021, 62.2835

Trichromacy



Original Color

45.5672, 49.5174, 51.9559

Protanomaly

46.7073, 49.4828, 51.3454

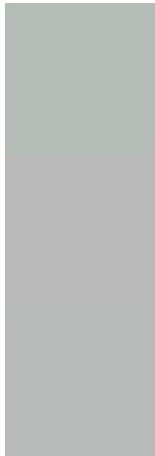
Deuteranomaly

48.5572, 49.4774, 52.3383

Tritanomaly

46.7993, 49.3808, 58.1038

Monochromacy



Original Color

45.5672, 49.5174, 51.9559

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2944, 49.2338, 52.9620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5672, 49.5174, 51.9559 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(180, 189, 183)` looks like.

```
.text, #text, p{  
    color:rgb(180, 189, 183)  
}
```

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(180, 189, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 189, 183) }
```

Border

The CSS property to change the border of an element to XYZ 45.5672, 49.5174, 51.9559 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(180, 189, 183) }
```


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

```
.border{ border-color:rgb(180, 189, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 189, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 189, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 189, 183);  
box-shadow:4px 4px 4px 4px rgb(180, 189,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5672, 49.5174, 51.9559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 189, 183) }
```

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

```
.background{ background-color: rgb(180,  
189, 183) }
```

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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