

Converting Colors

XYZ(45.9419, 49.6467, 50.2288)

Have a look what the booklet for
XYZ(45.9419, 49.6467, 50.2288)
contains.

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Color

**XYZ(45.9643, 49.7578,
50.3616)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BDB4
RGB	183, 189, 180
RGB Percent	72%, 74%, 71%
CMY	0.2823, 0.2588, 0.2941
CMYK	0.03, 0.00, 0.05, 0.26
HSL	100°, 6%, 72%
HSV	100°, 5%, 74%
XYZ	45.9643, 49.7578, 50.3616
YIQ	186.1800, -0.6870, -4.0710

Conversions

Conversions Part 2

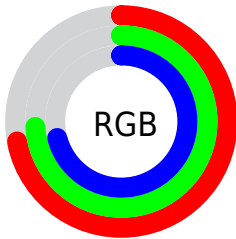
Format	Color
RYB	180, 189, 186
Decimal	12041652
CIELab	75.92, -3.75, 3.81
CIELCh	76, 5.345, 134.504
Yxy	49.7578, 0.3146, 0.3406
Android (android.graphics.Color)	4290231732 (0xFFB7BDB4)
YUV	186.1800, -3.0467, -2.7889
Hunter-Lab	70.5392, -7.1306, 7.0472

Details

The XYZ color **45.9643, 49.7578, 50.3616** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.7581, 46.7570, 54.7600**, and the grayscale version is **46.7910, 49.2278, 53.6091**.

A 20% lighter version of the original color is **83.3893, 89.7117, 92.2779**, and **21.8408, 23.8865, 23.5381** is the 20% darker color. If you saturate the color by 10%, you get **41.3044, 47.5645, 40.7687**, and if you desaturate by 10%, it is **51.1580, 52.1988, 61.3521**.

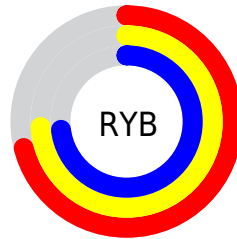
Distribution



Red (72%)

Green (74%)

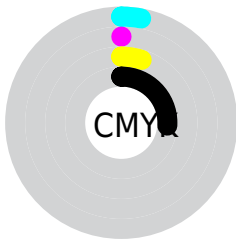
Blue (71%)



Red (71%)

Yellow (74%)

Blue (73%)

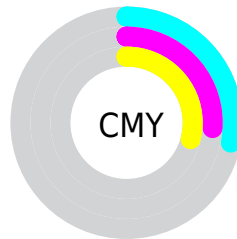


Cyan (3%)

Magenta (0%)

Yellow (5%)

Black (26%)



Cyan (28%)

Magenta (26%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9643, 49.7578, 50.3616 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 45.9643, 49.7578, 50.3616 by changing the saturation by 10% instead.

■ 45.9643, 49.7578,
50.3616

■ 45.9643, 49.7578,
50.3616

361.3834,
385.7180, 404.8538

■ 32.4222, 35.2210,
35.3276

■ 83.3938, 89.8159,
92.1122

■ 21.8413, 23.8332,
23.6298

108.0118,
116.1060, 119.6659

■ 13.8563, 15.2099,
14.8496

137.0525,
147.0827, 152.2300

■ 8.1018, 8.9668,
8.5684

170.8812,
183.1303, 190.2229

■ 4.2125, 4.7196,
4.3678

209.8633,
224.6332, 234.0632

■ 1.8230, 2.0837,
1.8292

254.3641,

■ 0.5315, 0.6554,

271.9759, 284.1694

0.4471

304.7491,
325.5427, 340.9601

■ 0.0000, 0.0000,
0.0000

■ 45.9643, 49.7578,
50.3616

■ 45.9643, 49.7578,
50.3616

■ 41.3044, 47.5645,
40.7687

■ 51.1580, 52.1988,
61.3521

■ 37.1567, 45.6046,
32.5143

■ 56.8981, 54.8886,
73.7897

■ 33.5038, 43.8721,
25.5398

■ 63.2018, 57.8364,
87.7256

■ 30.3261, 42.3581,
19.7809

■ 69.9873, 61.0101,
102.6951

■ 27.6024, 41.0533,
15.1679

■ 74.2594, 63.2125,
102.8951

■ 25.3097, 39.9474,
11.6239

■ 77.4886, 64.8772,
103.0462

■ 23.4228, 39.0294,
9.0627

■ 21.9133, 38.2869,
7.3845

■ 20.7483, 37.7053,
6.4685

Harmonies

Analogous

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



46.8156, 49.7578, 49.0423



45.9643, 49.7578, 50.3616



45.4727, 49.7578, 52.7264

Triad

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



45.9643, 49.7578, 50.3616



46.7838, 49.7578, 59.6336



49.1706, 49.7578, 52.8165

Complementary

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



45.9643, 49.7578, 50.3616



45.7581, 46.7570, 54.7600

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.



49.1618, 49.7578, 55.6555



45.9643, 49.7578, 50.3616



47.7743, 49.7578, 59.6598

Square

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



45.9643, 49.7578, 50.3616



45.9413, 49.7578, 58.1117



48.6477, 49.7578, 58.1820



48.6715, 49.7578, 50.4255

Rectangle

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



45.9643, 49.7578, 50.3616



45.4107, 49.7578, 54.6094



48.6477, 49.7578, 58.1820



49.2272, 49.7578, 53.7485

Sweetspot

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



45.9657, 49.7599, 50.3627



85.6919, 90.7004, 97.2723



46.7854, 49.2340, 50.2180



18.4380, 19.5096, 20.9397



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.



45.9657, 49.7599, 50.3627



81.1536, 88.5666, 87.7632



45.4134, 49.4574, 51.1392



9.9960, 10.9391, 10.7620



13.6955, 25.2361, 4.1492



0.6072, 1.0250, 0.1658

Inverse Universe

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



45.7581, 46.7570, 54.7600



80.6821, 81.7451, 97.7522



46.3326, 47.0719, 53.9409



9.9336, 10.0352, 12.0856



12.0551, 5.5007, 32.8193



0.5389, 0.2498, 1.2887

Previews

White Background



This preview shows how the XYZ color 45.9643, 49.7578, 50.3616 looks on a white background.

Color Contrast Check

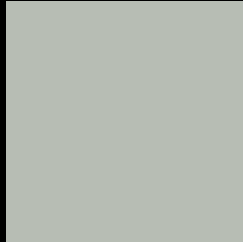
Large Text (above 18pt) WCAG AA × Fail

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 45.9643, 49.7578, 50.3616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

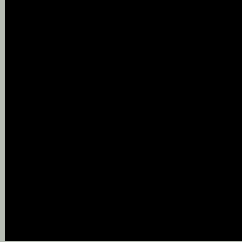
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9643, 49.7578, 50.3616

Background



This preview shows how black text looks on a background with the XYZ color 45.9643, 49.7578, 50.3616.



This preview shows how white text looks on a background with the XYZ color 45.9643, 49.7578,

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

45.9643, 49.7578, 50.3616

Protanopia

47.3330, 49.5386, 49.1867

Deuteranopia

50.6995, 49.6905, 51.1751



Tritanopia

48.3512, 49.7740, 62.3173

Trichromacy



Original Color

45.9643, 49.7578, 50.3616

Protanomaly

46.8933, 49.6141, 49.7528

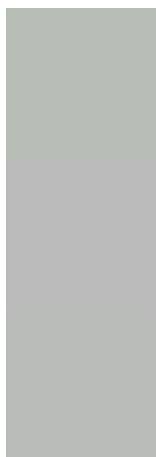
Deuteranomaly

48.7697, 49.6229, 50.7238

Tritanomaly

47.4035, 49.7052, 57.5477

Monochromacy



Original Color

45.9643, 49.7578, 50.3616

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4296, 49.3156, 52.4192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9643, 49.7578, 50.3616 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(183, 189, 180)` looks like.

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

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

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

Border

The CSS property to change the border of an element to XYZ 45.9643, 49.7578, 50.3616 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(183, 189, 180) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 45.9643, 49.7578, 50.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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