

Converting Colors

XYZ(45.8900, 50.3123, 51.3913)

Have a look what the booklet for
XYZ(45.8900, 50.3123, 51.3913)
contains.

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Color

**XYZ(45.8967, 50.3423,
51.5540)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BFB6
RGB	180, 191, 182
RGB Percent	71%, 75%, 71%
CMY	0.2941, 0.2510, 0.2863
CMYK	0.06, 0.00, 0.05, 0.25
HSL	131°, 8%, 73%
HSV	131°, 6%, 75%
XYZ	45.8967, 50.3423, 51.5540
YIQ	186.6850, -3.6670, -5.1310

Conversions

Conversions Part 2

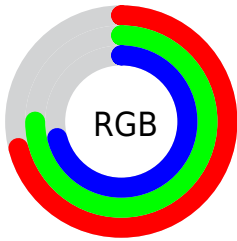
Format	Color
RYB	180, 189, 191
Decimal	11845558
CIELab	76.28, -5.48, 3.22
CIELCh	76, 6.359, 149.590
Yxy	50.3423, 0.3105, 0.3406
Android (android.graphics.Color)	4290035638 (0xFFB4BFB6)
YUV	186.6850, -2.3097, -5.8627
Hunter-Lab	70.9523, -8.7008, 6.5865

Details

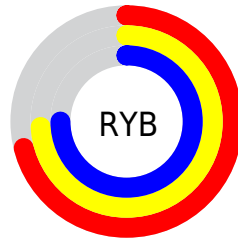
The XYZ color **45.8967, 50.3423, 51.5540** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9943, 47.3943, 54.8177**, and the grayscale version is **47.0719, 49.5233, 53.9309**.

A 20% lighter version of the original color is **83.2855, 90.5274, 93.9729**, and **21.8033, 24.2740, 24.3051** is the 20% darker color. If you saturate the color by 10%, you get **40.2269, 47.5972, 43.3230**, and if you desaturate by 10%, it is **52.3624, 53.4797, 60.7653**.

Distribution



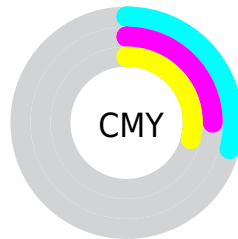
- Red (71%)
- Green (75%)
- Blue (71%)



- Red (71%)
- Yellow (74%)
- Blue (75%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)



- Cyan (29%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8967, 50.3423, 51.5540 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 45.8967, 50.3423, 51.5540 by changing the saturation by 10% instead.

■ 45.8967, 50.3423,
51.5540

■ 45.8967, 50.3423,
51.5540

361.1161,
388.0030, 409.6202

■ 32.3686, 35.6855,
36.2699

■ 83.2932, 90.6818,
93.8930

■ 21.8001, 24.1914,
24.3514

107.8923,
117.1333, 121.7850

■ 13.8259, 15.4756,
15.3799

136.9124,
148.2851, 154.7168

■ 8.0805, 9.1539,
8.9368

170.7189,
184.5217, 193.1068

■ 4.1988, 4.8417,
4.6038

209.6772,
226.2273, 237.3736

■ 1.8152, 2.1547,
1.9621

254.1526,

■ 0.5268, 0.6951,

273.7865, 287.9357

0.5318

304.5104,
327.5836, 345.2118

■ 0.0000, 0.0000,
0.0000

■ 45.8967, 50.3423,
51.5540

■ 45.8967, 50.3423,
51.5540

■ 40.2269, 47.5972,
43.3230

■ 52.3624, 53.4797,
60.7653

■ 35.3181, 45.2228,
36.0369

■ 59.6488, 57.0174,
70.9844

■ 31.1387, 43.2049,
29.6628

■ 67.7850, 60.9710,
82.2417

■ 27.6535, 41.5263,
24.1646

■ 76.2792, 65.0865,
94.5412

■ 24.8243, 40.1681,
19.5041

■ 77.9218, 65.7435,
103.1906

■ 22.6093, 39.1094,
15.6400

■ 20.9614, 38.3271,
12.5275

■ 19.8269, 37.7944,
10.1176

■ 19.1394, 37.4783,
8.3549

Harmonies

Analogous

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



46.7245, 50.3423, 49.2949



45.8967, 50.3423, 51.5540



45.5903, 50.3423, 54.7672

Triad

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



45.8967, 50.3423, 51.5540



47.8324, 50.3423, 61.6531



49.8725, 50.3423, 51.6322

Complementary

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



45.8967, 50.3423, 51.5540



46.9943, 47.3943, 54.8177

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.



50.1807, 50.3423, 54.8612



45.8967, 50.3423, 51.5540



48.9911, 50.3423, 60.7308

Square

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



45.8967, 50.3423, 51.5540



46.6965, 50.3423, 60.6805



49.8556, 50.3423, 58.2090



49.0200, 50.3423, 49.3388

Rectangle

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



45.8967, 50.3423, 51.5540



45.7190, 50.3423, 57.0477



49.8556, 50.3423, 58.2090



50.0438, 50.3423, 52.6398

Sweetspot

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



45.8981, 50.3445, 51.5551



86.3477, 92.1738, 98.2738



47.8987, 51.3995, 50.5773



18.9866, 20.2528, 21.6163



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



45.8981, 50.3445, 51.5551



80.7466, 89.4583, 90.2392



46.4602, 50.5693, 54.5151



9.7146, 10.7920, 10.8414



12.4625, 24.5753, 5.2322



0.5101, 0.9714, 0.3203

Inverse Universe

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



46.9943, 47.3943, 54.8177



83.1479, 82.9952, 97.3867



46.4256, 47.1668, 51.8229



10.0191, 9.9725, 11.7476



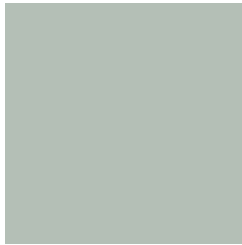
18.1067, 8.8738, 21.6534



0.7290, 0.3555, 0.9520

Previews

White Background



This preview shows how the XYZ color 45.8967, 50.3423, 51.5540 looks on a white background.

Color Contrast Check

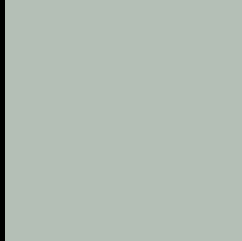
Large Text (above 18pt) WCAG AA × Fail

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 45.8967, 50.3423, 51.5540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

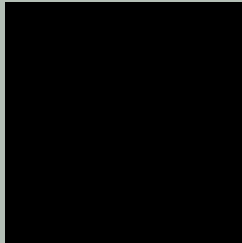
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

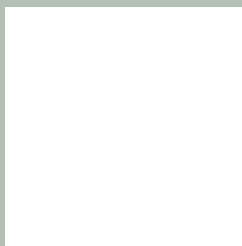
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8967, 50.3423, 51.5540

Background



This preview shows how black text looks on a background with the XYZ color 45.8967, 50.3423, 51.5540.



This preview shows how white text looks on a background with the XYZ color 45.8967, 50.3423,

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

45.8967, 50.3423, 51.5540

Protanopia

48.0009, 50.1734, 50.3345

Deuteranopia

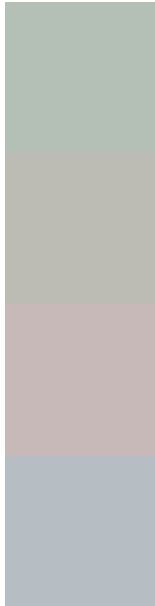
51.3921, 50.3265, 52.3527



Tritanopia

48.2912, 50.3455, 63.6724

Trichromacy



Original Color

45.8967, 50.3423, 51.5540

Protanomaly

47.0627, 49.9940, 50.8854

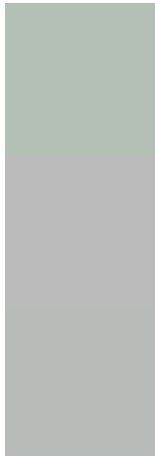
Deuteranomaly

49.1849, 50.1226, 51.8820

Tritanomaly

47.3393, 50.2804, 58.8398

Monochromacy



Original Color

45.8967, 50.3423, 51.5540

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5073, 49.6596, 53.0330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8967, 50.3423, 51.5540 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, 191, 182)` looks like.

```
.text, #text, p{  
    color:rgb(180, 191, 182)  
}
```

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, 191, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 191, 182) }
```

Border

The CSS property to change the border of an element to XYZ 45.8967, 50.3423, 51.5540 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, 191, 182) }
```


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

```
.border{ border-color:rgb(180, 191, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 191, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 191, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 191, 182); box-shadow:4px 4px 4px 4px rgb(180, 191, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8967, 50.3423, 51.5540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 191, 182) }
```

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

```
.background{ background-color: rgb(180,  
191, 182) }
```

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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