

Converting Colors

XYZ(45.8458, 51.2626, 47.3215)

Have a look what the booklet for
XYZ(45.8458, 51.2626, 47.3215)
contains.

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Color

**XYZ(45.9878, 51.4633,
47.5540)**

Conversions

Conversions Part 1

Format	Color
Hex	B5C2AE
RGB	181, 194, 174
RGB Percent	71%, 76%, 68%
CMY	0.2902, 0.2392, 0.3176
CMYK	0.07, 0.00, 0.10, 0.24
HSL	99°, 14%, 72%
HSV	99°, 10%, 76%
XYZ	45.9878, 51.4633, 47.5540
YIQ	187.8330, -1.3280, -8.9760

Conversions

Conversions Part 2

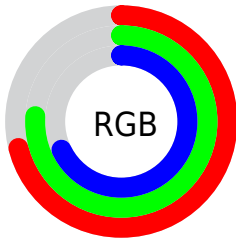
Format	Color
RYB	174, 194, 187
Decimal	11911854
CIELab	76.96, -8.16, 8.53
CIELCh	77, 11.803, 133.709
Yxy	51.4633, 0.3171, 0.3549
Android (android.graphics.Color)	4290101934 (0xFFB5C2AE)
YUV	187.8330, -6.8197, -5.9925
Hunter-Lab	71.7379, -11.1134, 10.9141

Details

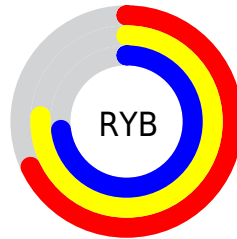
The XYZ color **45.9878, 51.4633, 47.5540** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.3692, 44.7334, 57.2848**, and the grayscale version is **47.7444, 50.2308, 54.7013**.

A 20% lighter version of the original color is **83.2535, 92.0329, 87.5049**, and **21.7930, 24.7505, 22.0411** is the 20% darker color. If you saturate the color by 10%, you get **41.4072, 49.3064, 38.1697**, and if you desaturate by 10%, it is **51.1122, 53.8720, 58.3919**.

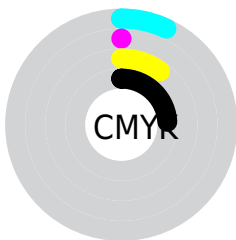
Distribution



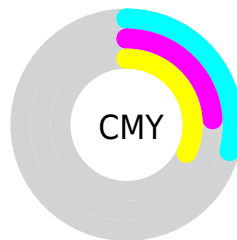
- Red (71%)
- Green (76%)
- Blue (68%)



- Red (68%)
- Yellow (76%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (10%)
- Black (24%)




- Cyan (29%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9878, 51.4633, 47.5540 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 45.9878, 51.4633, 47.5540 by changing the saturation by 10% instead.


 45.9878, 51.4633,
47.5540

 45.9878, 51.4633,
47.5540

361.4764,
392.3611, 393.4791

 32.4408, 36.5775,
33.1163


 83.4287, 92.3392,
87.8986

 21.8556, 24.8805,
21.9437


108.0533,
119.0981, 114.6426

 13.8668, 15.9880,
13.6176


137.1012,
150.5835, 146.3259

 8.1092, 9.5157,
7.7195

170.9376,
187.1797, 183.3669

 4.2173, 5.0791,
3.8308

209.9280,
229.2712, 226.1842

 1.8258, 2.2937,
1.5330

254.4377,

 0.5331, 0.7704,

277.2423, 275.1963

0.2423

304.8320,
331.4775, 330.8218

■ 0.0000, 0.0000,
0.0000

■ 45.9878, 51.4633,
47.5540

■ 45.9878, 51.4633,
47.5540

■ 41.4072, 49.3064,
38.1697

■ 51.1122, 53.8720,
58.3919

■ 37.3474, 47.3862,
30.1738

■ 56.7940, 56.5336,
70.7381

■ 33.7899, 45.6963,
23.5015

■ 63.0514, 59.4580,
84.6485

■ 30.7136, 44.2272,
18.0810

■ 69.9006, 62.6524,
100.1752

■ 28.0956, 42.9689,
13.8341

■ 74.6719, 65.0495,
103.2279

■ 25.9109, 41.9103,
10.6735

■ 78.5828, 67.0656,
103.4109

■ 24.1316, 41.0393,
8.5001

■ 22.7259, 40.3420,
7.1961

■ 21.6688, 39.8104,
6.5421

Harmonies

Analogous

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



47.8970, 51.4633, 44.8478



45.9878, 51.4633, 47.5540



44.8815, 51.4633, 52.6334

Triad

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



45.9878, 51.4633, 47.5540



47.7118, 51.4633, 68.7771



53.2351, 51.4633, 53.1518

Complementary

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



45.9878, 51.4633, 47.5540



45.3692, 44.7334, 57.2848

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.



53.1818, 51.4633, 59.5797



45.9878, 51.4633, 47.5540



49.9459, 51.4633, 68.9427

Square

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



45.9878, 51.4633, 47.5540



45.8558, 51.4633, 65.0317



51.9624, 51.4633, 65.4683



52.1060, 51.4633, 47.9084

Rectangle

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



45.9878, 51.4633, 47.5540



44.7263, 51.4633, 56.8395



51.9624, 51.4633, 65.4683



53.3559, 51.4633, 55.2377

Sweetspot

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



45.9892, 51.4655, 47.5551



89.9582, 96.3589, 100.1452



47.6605, 50.0681, 47.1973



19.5307, 21.0222, 21.5709



0.0000, 0.0000, 0.0000



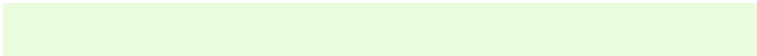
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9892, 51.4655, 47.5551



81.6825, 92.4688, 82.7600



44.6847, 50.7588, 49.0383



10.2695, 11.4264, 10.7261



14.3267, 26.2145, 4.3048



0.6941, 1.1714, 0.1895

Inverse Universe

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



45.3692, 44.7334, 57.2848



80.3712, 78.2329, 103.3342



46.7901, 45.5044, 55.6097



10.1442, 10.0655, 12.6930



12.1618, 5.5301, 33.9830



0.5977, 0.2762, 1.4717

Previews

White Background



This preview shows how the XYZ color 45.9878, 51.4633, 47.5540 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 45.9878, 51.4633, 47.5540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

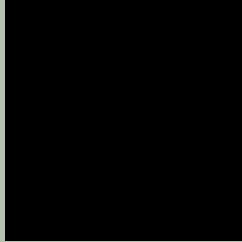
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

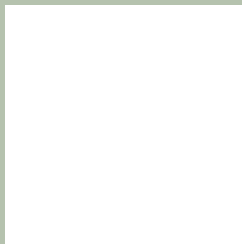
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9878, 51.4633, 47.5540

Background



This preview shows how black text looks on a background with the XYZ color 45.9878, 51.4633, 47.5540.



This preview shows how white text looks on a background with the XYZ color 45.9878, 51.4633,

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

45.9878, 51.4633, 47.5540

Protanopia

48.5742, 51.2058, 45.8516

Deuteranopia

52.2105, 51.1477, 48.1950



Tritanopia

49.6826, 51.6738, 65.1131

Trichromacy



Original Color

45.9878, 51.4633, 47.5540

Protanomaly

47.5631, 51.3165, 46.4280

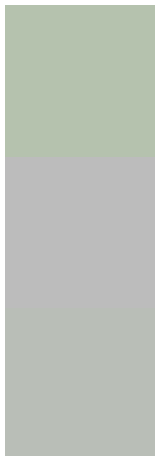
Deuteranomaly

49.5956, 51.0533, 47.7977

Tritanomaly

48.1356, 51.3470, 58.4129

Monochromacy



Original Color

45.9878, 51.4633, 47.5540

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.9683, 50.5601, 52.0833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9878, 51.4633, 47.5540 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(181, 194, 174)` looks like.

```
.text, #text, p{  
    color:rgb(181, 194, 174)  
}
```

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(181, 194, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 194, 174) }
```

Border

The CSS property to change the border of an element to XYZ 45.9878, 51.4633, 47.5540 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(181, 194, 174) }
```


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

```
.border{ border-color:rgb(181, 194, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 194, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 194, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 194, 174);  
box-shadow:4px 4px 4px 4px rgb(181, 194,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9878, 51.4633, 47.5540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 194, 174) }
```

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

```
.background{ background-color: rgb(181,  
194, 174) }
```

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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