

Converting Colors

XYZ(45.8032, 52.8671, 47.9167)

Have a look what the booklet for
XYZ(45.8032, 52.8671, 47.9167)
contains.

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Color

**XYZ(45.7386, 52.6743,
47.8009)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C6AE
RGB	176, 198, 174
RGB Percent	69%, 78%, 68%
CMY	0.3098, 0.2235, 0.3176
CMYK	0.11, 0.00, 0.12, 0.22
HSL	115°, 17%, 73%
HSV	115°, 12%, 78%
XYZ	45.7386, 52.6743, 47.8009
YIQ	188.6860, -5.4080, -12.1280

Conversions

Conversions Part 2

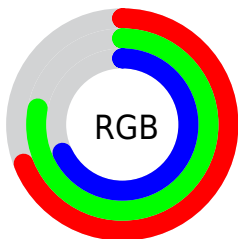
Format	Color
RYB	174, 198, 196
Decimal	11585198
CIELab	77.68, -11.98, 9.52
CIELCh	78, 15.304, 141.547
Yxy	52.6743, 0.3128, 0.3603
Android (android.graphics.Color)	4289775278 (0xFFB0C6AE)
YUV	188.6860, -7.2402, -11.1256
Hunter-Lab	72.5771, -14.5178, 11.7542

Details

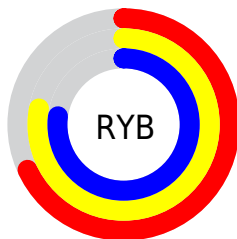
The XYZ color **45.7386, 52.6743, 47.8009** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.0962, 46.0866, 59.7895**, and the grayscale version is **48.2339, 50.7458, 55.2622**.

A 20% lighter version of the original color is **83.1816, 94.3329, 87.9527**, and **21.6545, 25.5626, 22.2051** is the 20% darker color. If you saturate the color by 10%, you get **40.1158, 49.9840, 38.1933**, and if you desaturate by 10%, it is **52.1977, 55.7659, 58.9352**.

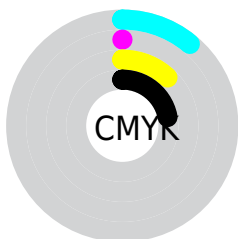
Distribution



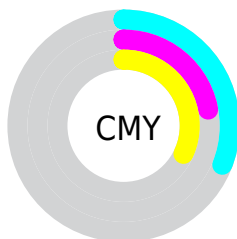
- Red (69%)
- Green (78%)
- Blue (68%)



- Red (68%)
- Yellow (78%)
- Blue (77%)



- Cyan (11%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





- Cyan (31%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7386, 52.6743, 47.8009 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 45.7386, 52.6743, 47.8009 by changing the saturation by 10% instead.


 45.7386, 52.6743,
47.8009

 45.7386, 52.6743,
47.8009


360.4903,
397.0343, 394.4883

 32.2433, 37.5428,
33.3104


 83.0579, 94.1249,
88.2704

 21.7039, 25.6281,
22.0913


107.6127,
121.2129, 115.0864

 13.7549, 16.5456,
13.7250


136.5847,
153.0551, 146.8479

 8.0309, 9.9110,
7.7931

170.3392,
190.0360, 183.9736

 4.1667, 5.3400,
3.8770

209.2417,
232.5400, 226.8820

 1.7969, 2.4481,
1.5581

253.6575,

 0.5158, 0.8505,

280.9514, 275.9915

0.2607

303.9519,
335.6547, 331.7208

■ 0.0000, 0.0000,
0.0000

■ 45.7386, 52.6743,
47.8009

■ 45.7386, 52.6743,
47.8009

■ 40.1158, 49.9840,
38.1933

■ 52.1977, 55.7659,
58.9352

■ 35.2908, 47.6721,
30.0427

■ 59.5208, 59.2671,
71.6551

■ 31.2289, 45.7236,
23.2789

■ 67.7398, 63.1947,
86.0205

■ 27.8908, 44.1200,
17.8248

■ 76.8834, 67.5623,
102.0871

■ 25.2338, 42.8411,
13.5957

■ 79.4851, 68.8702,
103.7117

■ 23.2108, 41.8647,
10.4968

■ 21.7684, 41.1656,
8.4197

■ 20.8446, 40.7146,
7.2347

■ 20.4174, 40.5048,
6.7421

Harmonies

Analogous

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



48.0038, 52.6743, 43.4872



45.7386, 52.6743, 47.8009



44.6433, 52.6743, 54.9901

Triad

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



45.7386, 52.6743, 47.8009



49.2332, 52.6743, 75.0371



55.5487, 52.6743, 51.5721

Complementary

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



45.7386, 52.6743, 47.8009



48.0962, 46.0866, 59.7895

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.



55.9095, 52.6743, 59.7834



45.7386, 52.6743, 47.8009



52.1851, 52.6743, 73.8920

Square

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



45.7386, 52.6743, 47.8009



46.6082, 52.6743, 71.0907



54.6567, 52.6743, 68.1005



53.6894, 52.6743, 45.5106

Rectangle

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



45.7386, 52.6743, 47.8009



44.6928, 52.6743, 60.6788



54.6567, 52.6743, 68.1005



55.8521, 52.6743, 54.1517

Sweetspot

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



45.7400, 52.6766, 47.8021



90.0942, 97.6299, 100.3222



50.6709, 54.5442, 47.9027



19.0904, 20.8043, 21.1388



0.0000, 0.0000, 0.0000



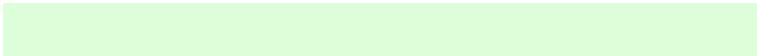
20.3446, 21.4041, 23.3091

Same Dimension

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



45.7400, 52.6766, 47.8021



77.7479, 91.7225, 79.0817



46.3031, 52.8499, 53.1096



10.5780, 11.9294, 11.3078



13.3076, 26.3556, 4.3858



0.6591, 1.2629, 0.2090

Inverse Universe

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



48.0962, 46.0866, 59.7895



82.8758, 77.3776, 105.1751



47.5037, 45.9101, 53.9366



10.9926, 10.7700, 13.4169



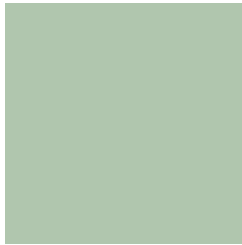
19.1337, 9.0981, 35.4920



0.9323, 0.4444, 1.6818

Previews

White Background



This preview shows how the XYZ color 45.7386, 52.6743, 47.8009 looks on a white background.

Color Contrast Check

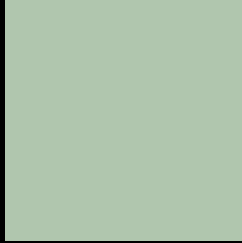
Large Text (above 18pt) WCAG AA × Fail

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 45.7386, 52.6743, 47.8009 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

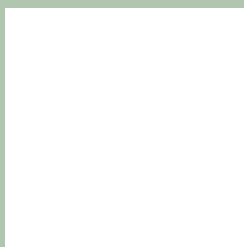
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7386, 52.6743, 47.8009

Background



This preview shows how black text looks on a background with the XYZ color 45.7386, 52.6743, 47.8009.



This preview shows how white text looks on a background with the XYZ color 45.7386, 52.6743,

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

45.7386, 52.6743, 47.8009

Protanopia

49.7059, 52.4432, 45.5330

Deuteranopia

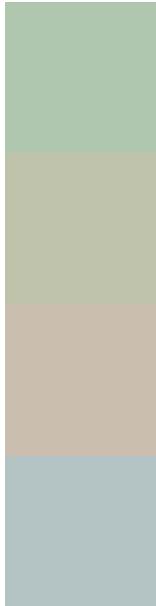
53.6037, 52.4712, 48.8977



Tritanopia

49.7465, 52.6391, 67.2129

Trichromacy



Original Color

45.7386, 52.6743, 47.8009

Protanomaly

48.1283, 52.6002, 46.1443

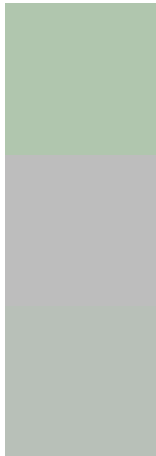
Deuteranomaly

50.3373, 52.3790, 48.5314

Tritanomaly

48.3013, 52.7190, 59.8546

Monochromacy



Original Color

45.7386, 52.6743, 47.8009

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.2685, 51.3503, 52.7677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7386, 52.6743, 47.8009 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(176, 198, 174)` looks like.

```
.text, #text, p{  
    color:rgb(176, 198, 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(176, 198, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 198, 174) }
```

Border

The CSS property to change the border of an element to XYZ 45.7386, 52.6743, 47.8009 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(176, 198, 174) }
```


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

```
.border{ border-color:rgb(176, 198, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 198, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 198, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 198, 174);  
box-shadow:4px 4px 4px 4px rgb(176, 198,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7386, 52.6743, 47.8009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 198, 174) }
```

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

```
.background{ background-color: rgb(176,  
198, 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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