

Converting Colors

XYZ(45.5896, 51.8819, 54.8587)

Have a look what the booklet for
XYZ(45.5896, 51.8819, 54.8587)
contains.

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Color

**XYZ(45.5042, 51.7256,
54.5994)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC4BB
RGB	171, 196, 187
RGB Percent	67%, 77%, 73%
CMY	0.3294, 0.2314, 0.2667
CMYK	0.13, 0.00, 0.05, 0.23
HSL	158°, 17%, 72%
HSV	158°, 13%, 77%
XYZ	45.5042, 51.7256, 54.5994
YIQ	187.4990, -12.0110, -8.0990

Conversions

Conversions Part 2

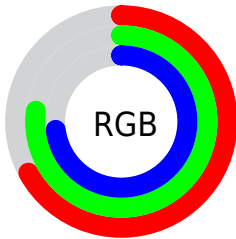
Format	Color
RYB	171, 186, 196
Decimal	11257019
CIELab	77.12, -10.22, 1.65
CIELCh	77, 10.349, 170.813
Yxy	51.7256, 0.2997, 0.3407
Android (android.graphics.Color)	4289447099 (0xFFABC4BB)
YUV	187.4990, -0.2460, -14.4696
Hunter-Lab	71.9205, -12.9237, 5.3336

Details

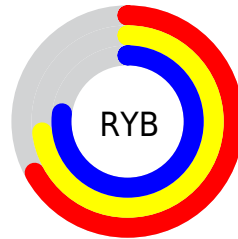
The XYZ color **45.5042, 51.7256, 54.5994** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.5680, 44.1584, 49.3042**, and the grayscale version is **47.5234, 49.9983, 54.4481**.

A 20% lighter version of the original color is **82.6670, 92.8904, 98.3666**, and **21.5838, 24.9892, 26.2401** is the 20% darker color. If you saturate the color by 10%, you get **40.8105, 49.3925, 50.5327**, and if you desaturate by 10%, it is **50.8711, 54.4043, 58.8936**.

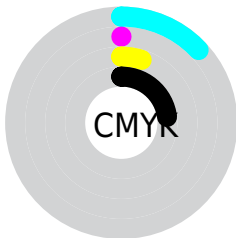
Distribution



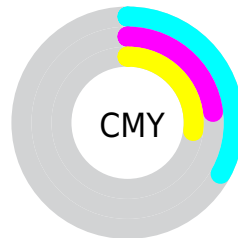
- Red (67%)
- Green (77%)
- Blue (73%)



- Red (67%)
- Yellow (73%)
- Blue (77%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)



- Cyan (33%)
- Magenta (23%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5042, 51.7256, 54.5994 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 45.5042, 51.7256, 54.5994 by changing the saturation by 10% instead.

■ 45.5042, 51.7256,
54.5994

■ 45.5042, 51.7256,
54.5994

359.5612,
393.3764, 421.6307

■ 32.0577, 36.7864,
38.6846

■ 82.7089, 92.7264,
98.4190

■ 21.5614, 25.0422,
26.2085

107.1979,
119.5569, 127.1610

■ 13.6497, 16.1085,
16.7526

136.0983,
151.1198, 161.0157

■ 7.9575, 9.6009,
9.8981

169.7757,
187.7997, 200.4019

■ 4.1194, 5.1352,
5.2268

208.5953,
229.9809, 245.7379

■ 1.7699, 2.3268,
2.3199

252.9225,

■ 0.4994, 0.7878,

278.0478, 297.4423

0.7423

303.1227,
332.3848, 355.9337

■ 0.0000, 0.0000,
0.0000

■ 45.5042, 51.7256,
54.5994

■ 45.5042, 51.7256,
54.5994

■ 40.8105, 49.3925,
50.5327

■ 50.8711, 54.4043,
58.8936

■ 36.7573, 47.3839,
46.6861

■ 56.9333, 57.4357,
63.4159

■ 33.3157, 45.6865,
43.0564

■ 63.7175, 60.8348,
68.1711

■ 30.4528, 44.2833,
39.6392

■ 71.2474, 64.6139,
73.1630

■ 28.1325, 43.1558,
36.4298

■ 74.2046, 66.0312,
78.1453

■ 26.3144, 42.2832,
33.4235

■ 75.1723, 66.4183,
83.2413

■ 24.9523, 41.6417,
30.6149

■ 76.1801, 66.8214,
88.5485

■ 23.9907, 41.2029,
27.9982

■ 77.2285, 67.2408,
94.0693

■ 23.4699, 40.9733,
26.2171

■ 78.3179, 67.6765,
99.8060

Harmonies

Analogous

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



46.2745, 51.7256, 49.7152



45.5042, 51.7256, 54.5994



45.6938, 51.7256, 60.2797

Triad

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



45.5042, 51.7256, 54.5994



50.5273, 51.7256, 67.1268



51.6059, 51.7256, 48.2933

Complementary

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



45.5042, 51.7256, 54.5994



45.5680, 44.1584, 49.3042

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.



52.8048, 51.7256, 52.5384



45.5042, 51.7256, 54.5994



52.1706, 51.7256, 63.4862

Square

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



45.5042, 51.7256, 54.5994



48.5590, 51.7256, 67.7708



53.0142, 51.7256, 58.0772



49.7733, 51.7256, 46.2384

Rectangle

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



45.5042, 51.7256, 54.5994



46.3412, 51.7256, 63.7431



53.0142, 51.7256, 58.0772



52.0984, 51.7256, 49.4975

Sweetspot

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



45.5057, 51.7278, 54.6005



90.8107, 97.8822, 105.6444



45.9536, 52.1457, 46.1722



19.2716, 20.8681, 22.4828



0.0000, 0.0000, 0.0000



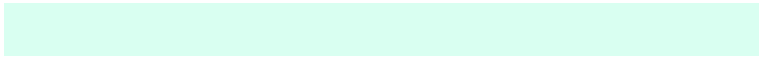
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5057, 51.7278, 54.6005



80.2121, 92.5979, 97.0425



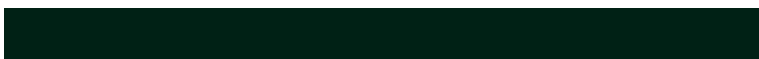
45.7565, 50.6383, 59.5895



10.2096, 11.3649, 12.1071



15.1221, 26.3429, 17.0680



0.6854, 1.1510, 0.9059

Inverse Universe

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



45.5680, 44.1584, 49.3042



80.3450, 76.4995, 85.7798



45.3179, 45.0786, 44.8416



10.2197, 10.1365, 11.2475



15.3873, 7.8447, 4.6857



0.6980, 0.3522, 0.3770

Previews

White Background



This preview shows how the XYZ color 45.5042, 51.7256, 54.5994 looks on a white background.

Color Contrast Check

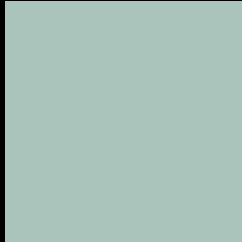
Large Text (above 18pt) WCAG AA × Fail

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 45.5042, 51.7256, 54.5994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

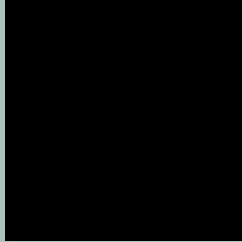
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5042, 51.7256, 54.5994

Background



This preview shows how black text looks on a background with the XYZ color 45.5042, 51.7256, 54.5994.



This preview shows how white text looks on a background with the XYZ color 45.5042, 51.7256,

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

45.5042, 51.7256, 54.5994

Protanopia

49.2505, 51.4162, 52.1283

Deuteranopia

52.6203, 51.5104, 55.3132



Tritanopia

48.1343, 51.8080, 67.1375

Trichromacy



Original Color

45.5042, 51.7256, 54.5994

Protanomaly

47.7511, 51.5991, 52.7903

Deuteranomaly

49.5660, 51.1994, 54.8470

Tritanomaly

47.1727, 51.7524, 62.1465

Monochromacy



Original Color

45.5042, 51.7256, 54.5994

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.9993, 50.8375, 54.9124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5042, 51.7256, 54.5994 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(171, 196, 187)` looks like.

```
.text, #text, p{  
    color:rgb(171, 196, 187)  
}
```

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(171, 196, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 196, 187) }
```

Border

The CSS property to change the border of an element to XYZ 45.5042, 51.7256, 54.5994 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(171, 196, 187) }
```


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

```
.border{ border-color:rgb(171, 196, 187) }
```

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

Here you see how a box with a 4 pixel rgb(171, 196, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 196, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 196, 187);  
box-shadow:4px 4px 4px 4px rgb(171, 196,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5042, 51.7256, 54.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 196, 187) }
```

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

```
.background{ background-color: rgb(171,  
196, 187) }
```

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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