

Converting Colors

XYZ(45.4445, 52.8270, 49.0583)

Have a look what the booklet for
XYZ(45.4445, 52.8270, 49.0583)
contains.

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Color

**XYZ(45.4935, 52.8657,
48.8806)**

Conversions

Conversions Part 1

Format	Color
Hex	ADC7B0
RGB	173, 199, 176
RGB Percent	68%, 78%, 69%
CMY	0.3216, 0.2196, 0.3098
CMYK	0.13, 0.00, 0.12, 0.22
HSL	127°, 19%, 73%
HSV	127°, 13%, 78%
XYZ	45.4935, 52.8657, 48.8806
YIQ	188.6040, -8.1130, -12.6650

Conversions

Conversions Part 2

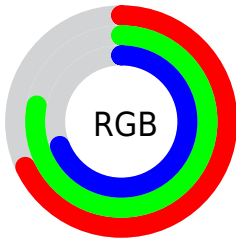
Format	Color
RYB	173, 196, 199
Decimal	11388848
CIELab	77.80, -13.17, 8.58
CIElCh	78, 15.720, 146.936
Yxy	52.8657, 0.3090, 0.3590
Android (android.graphics.Color)	4289578928 (0xFFADC7B0)
YUV	188.6040, -6.2138, -13.6847
Hunter-Lab	72.7088, -15.5539, 11.0367

Details

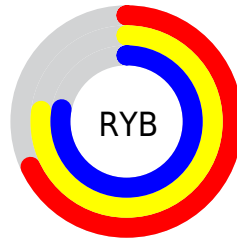
The XYZ color **45.4935, 52.8657, 48.8806** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.4625, 46.0161, 58.5549**, and the grayscale version is **48.1825, 50.6918, 55.2033**.

A 20% lighter version of the original color is **82.6386, 94.0042, 90.1330**, and **21.5092, 25.6991, 22.8955** is the 20% darker color. If you saturate the color by 10%, you get **39.7862, 50.1134, 40.1031**, and if you desaturate by 10%, it is **52.0851, 56.0508, 58.8809**.

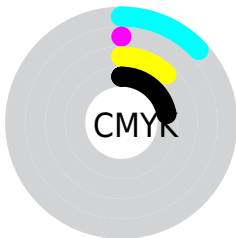
Distribution



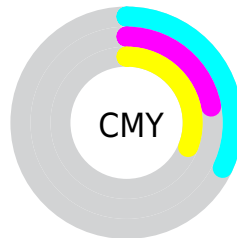
- Red (68%)
- Green (78%)
- Blue (69%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4935, 52.8657, 48.8806 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 45.4935, 52.8657, 48.8806 by changing the saturation by 10% instead.

■ 45.4935, 52.8657,
48.8806

■ 45.4935, 52.8657,
48.8806

359.5188,
397.7697, 398.8810

■ 32.0492, 37.6956,
34.1598

■ 82.6930, 94.4067,
89.8932

■ 21.5548, 25.7465,
22.7381

107.1789,
121.5464, 117.0222

■ 13.6449, 16.6341,
14.1967

136.0761,
153.4447, 149.1243

■ 7.9542, 9.9740,
8.1173

169.7500,
190.4861, 186.6181

■ 4.1172, 5.3817,
4.0813

208.5658,
233.0548, 229.9222

■ 1.7687, 2.4729,
1.6700

252.8890,

■ 0.4987, 0.8630,

281.5354, 279.4550

0.3401

303.0848,
336.3122, 335.6351

■ 0.0000, 0.0000,
0.0000

■ 45.4935, 52.8657,
48.8806

■ 45.4935, 52.8657,
48.8806

■ 39.7862, 50.1134,
40.1031

■ 52.0851, 56.0508,
58.8809

■ 34.9213, 47.7687,
32.4982

■ 59.5919, 59.6792,
70.1447

■ 30.8601, 45.8143,
26.0173

■ 68.0487, 63.7693,
82.7153

■ 27.5591, 44.2289,
20.6070

■ 77.4871, 68.3367,
96.6327

■ 24.9707, 42.9892,
16.2097

■ 79.7145, 69.3289,
103.7882

■ 23.0417, 42.0691,
12.7624

■ 21.7116, 41.4388,
10.1948

■ 20.9083, 41.0630,
8.4271

■ 20.5787, 40.9106,
7.6205

Harmonies

Analogous

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



47.6387, 52.8657, 43.8560



45.4935, 52.8657, 48.8806



44.6187, 52.8657, 56.6690

Triad

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



45.4935, 52.8657, 48.8806



49.9346, 52.8657, 76.0037



55.6559, 52.8657, 50.2877

Complementary

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



45.4935, 52.8657, 48.8806



48.4625, 46.0161, 58.5549

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.



56.3304, 52.8657, 58.4638



45.4935, 52.8657, 48.8806



52.9494, 52.8657, 73.8614

Square

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



45.4935, 52.8657, 48.8806



47.1168, 52.8657, 72.8068



55.3212, 52.8657, 67.2143



53.5134, 52.8657, 44.6088

Rectangle

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



45.4935, 52.8657, 48.8806



44.8461, 52.8657, 62.5913



55.3212, 52.8657, 67.2143



56.0655, 52.8657, 52.8091

Sweetspot

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



45.4949, 52.8679, 48.8818



89.9774, 97.5489, 101.2567



50.8376, 55.6561, 47.5991



19.0610, 20.7839, 21.3741



0.0000, 0.0000, 0.0000



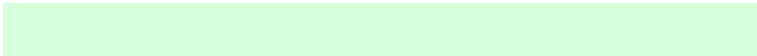
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4949, 52.8679, 48.8818



76.3240, 90.9558, 80.4875



46.8006, 53.3902, 55.7573



10.5464, 11.9075, 11.5616



13.2488, 26.3119, 4.9889



0.6444, 1.2527, 0.3261

Inverse Universe

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



48.4625, 46.0161, 58.5549



82.6385, 76.3749, 101.0696



47.0874, 45.4661, 51.3138



11.0284, 10.7947, 13.1327



20.2077, 9.8326, 27.3671



0.9722, 0.4717, 1.3766

Previews

White Background



This preview shows how the XYZ color 45.4935, 52.8657, 48.8806 looks on a white background.

Color Contrast Check

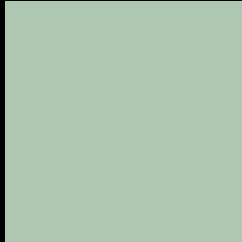
Large Text (above 18pt) WCAG AA × Fail

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 45.4935, 52.8657, 48.8806 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 45.4935, 52.8657, 48.8806

Background



This preview shows how black text looks on a background with the XYZ color 45.4935, 52.8657, 48.8806.



This preview shows how white text looks on a background with the XYZ color 45.4935, 52.8657,

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

45.4935, 52.8657, 48.8806

Protanopia

49.8966, 52.5195, 46.5372

Deuteranopia

53.5100, 52.3997, 49.9417



Tritanopia

49.5151, 52.8204, 68.5584

Trichromacy



Original Color

45.4935, 52.8657, 48.8806

Protanomaly

48.0698, 52.5479, 47.1444

Deuteranomaly

50.2688, 52.3206, 49.5689

Tritanomaly

48.0644, 52.9042, 61.1043

Monochromacy



Original Color

45.4935, 52.8657, 48.8806

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.2501, 51.6679, 52.8300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4935, 52.8657, 48.8806 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(173, 199, 176)` looks like.

```
.text, #text, p{  
    color:rgb(173, 199, 176)  
}
```

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(173, 199, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 199, 176) }
```

Border

The CSS property to change the border of an element to XYZ 45.4935, 52.8657, 48.8806 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(173, 199, 176) }
```


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

```
.border{ border-color:rgb(173, 199, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 199, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 199, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 199, 176);  
box-shadow:4px 4px 4px 4px rgb(173, 199,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4935, 52.8657, 48.8806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 199, 176) }
```

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

```
.background{ background-color: rgb(173,  
199, 176) }
```

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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