

Converting Colors

XYZ(48.8713, 65.3511, 56.4968)

Have a look what the booklet for
XYZ(48.8713, 65.3511, 56.4968)
contains.

XYZ(48.8191, 65.3279, 56.4909)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.8191, 65.3279,
56.4909)**

Conversions

Conversions Part 1

Format	Color
Hex	94E4BA
RGB	148, 228, 186
RGB Percent	58%, 89%, 73%
CMY	0.4196, 0.1059, 0.2706
CMYK	0.35, 0.00, 0.18, 0.11
HSL	148°, 60%, 74%
HSV	148°, 35%, 89%
XYZ	48.8191, 65.3279, 56.4909
YIQ	199.2920, -34.1980, -30.0220

Conversions

Conversions Part 2

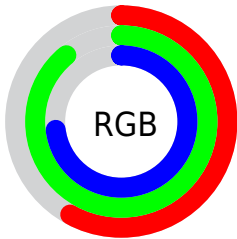
Format	Color
RYB	148, 202, 228
Decimal	9757882
CIELab	84.65, -33.42, 12.83
CIElCh	85, 35.801, 158.998
Yxy	65.3279, 0.2861, 0.3828
Android (android.graphics.Color)	4287947962 (0xFF94E4BA)
YUV	199.2920, -6.5530, -44.9831
Hunter-Lab	80.8257, -33.6301, 15.1388

Details

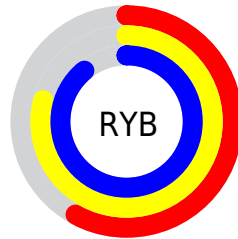
The XYZ color **48.8191, 65.3279, 56.4909** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.8813, 41.3931, 53.9731**, and the grayscale version is **54.5202, 57.3595, 62.4645**.

A 20% lighter version of the original color is **76.6889, 90.7682, 97.4825**, and **23.6023, 33.5782, 27.4276** is the 20% darker color. If you saturate the color by 10%, you get **43.8746, 62.9216, 49.8931**, and if you desaturate by 10%, it is **54.6861, 68.2010, 63.6913**.

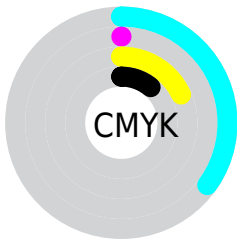
Distribution



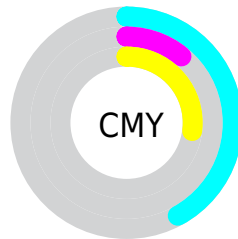
- Red (58%)
- Green (89%)
- Blue (73%)



- Red (58%)
- Yellow (79%)
- Blue (89%)



- Cyan (35%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)





- Cyan (42%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8191, 65.3279, 56.4909 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 48.8191, 65.3279, 56.4909 by changing the saturation by 10% instead.


 48.8191, 65.3279,
56.4909


 48.8191, 65.3279,
56.4909


372.5585,
443.9694, 428.9791

 34.6899, 47.7270,
40.1900


 87.6251, 112.5211,
101.2149

 23.5895, 33.6108,
27.3718


 113.0326,
142.8823, 130.4751

 15.1525, 22.5947,
17.6178


142.9302,
178.2656, 164.8922

 9.0135, 14.2945,
10.5093

177.6834,
219.0556, 204.8846

 4.8072, 8.3258,
5.6279

217.6575,
265.6366, 250.8710

 2.1682, 4.3041,
2.5551

263.2178,

 0.7259, 1.8451,

318.3929, 303.2698

0.8691

314.7297,
377.7090, 362.4997

■ 0.0000, 0.5151,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.8191, 65.3279,
56.4909

■ 48.8191, 65.3279,
56.4909

■ 43.8746, 62.9216,
49.8931

■ 54.6861, 68.2010,
63.6913

■ 39.7967, 60.9483,
43.8774

■ 61.5168, 71.5564,
71.5051

■ 36.5316, 59.3823,
38.4287

■ 69.3561, 75.4190,
79.9485

■ 34.0167, 58.1917,
33.5294

■ 78.2448, 79.8093,
89.0356

■ 32.1798, 57.3395,
29.1607

■ 85.5969, 83.3942,
98.6573

■ 30.9327, 56.7807,
25.3023

■ 87.0346, 83.9692,
106.2282

■ 30.4673, 56.5783,
23.5857

Harmonies

Analogous

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



52.9128, 65.3279, 42.1101



48.8191, 65.3279, 56.4909



48.1137, 65.3279, 78.2404

Triad

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



48.8191, 65.3279, 56.4909



64.5274, 65.3279, 124.0732



74.8209, 65.3279, 46.8689

Complementary

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



48.8191, 65.3279, 56.4909



51.8813, 41.3931, 53.9731

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.



78.5455, 65.3279, 64.4658



48.8191, 65.3279, 56.4909



72.2763, 65.3279, 111.1225

Square

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



48.8191, 65.3279, 56.4909



56.7443, 65.3279, 120.6522



77.5763, 65.3279, 88.1042



67.7659, 65.3279, 37.4401

Rectangle

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



48.8191, 65.3279, 56.4909



49.5948, 65.3279, 94.6774



77.5763, 65.3279, 88.1042



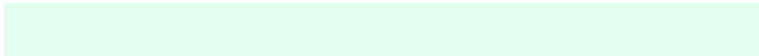
76.5303, 65.3279, 51.8531

Sweetspot

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



48.8209, 65.3306, 56.4924



83.1916, 94.1503, 96.4393



54.4930, 68.6611, 38.3987



17.5179, 20.0099, 20.3282



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.



48.8209, 65.3306, 56.4924



58.2369, 81.9195, 66.6360



53.5945, 67.2400, 81.6298



14.4729, 16.2026, 16.7552



17.6512, 32.6926, 13.9295



1.3510, 2.4345, 1.2751

Inverse Universe

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



51.8813, 41.3931, 53.9731



62.7288, 46.7743, 62.9302



48.1456, 39.8988, 34.3011



14.6915, 14.4938, 16.5759



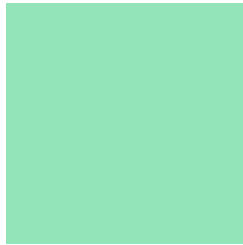
20.4827, 10.3273, 11.4367



1.5605, 0.7819, 1.0920

Previews

White Background



This preview shows how the XYZ color 48.8191, 65.3279, 56.4909 looks on a white background.

Color Contrast Check

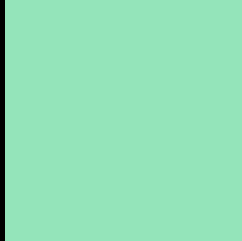
Large Text (above 18pt) WCAG AA × Fail

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 48.8191, 65.3279, 56.4909 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 48.8191, 65.3279, 56.4909

Background



This preview shows how black text looks on a background with the XYZ color 48.8191, 65.3279, 56.4909.

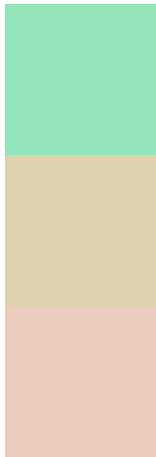


This preview shows how white text looks on a background with the XYZ color 48.8191, 65.3279,

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

48.8191, 65.3279, 56.4909

Protanopia

61.1066, 64.7971, 50.8814

Deuteranopia

66.0198, 64.6506, 58.2894



Tritanopia

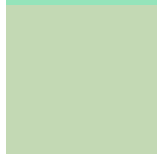
55.5871, 65.2569, 90.5550

Trichromacy



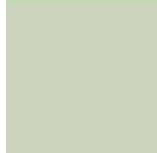
Original Color

48.8191, 65.3279, 56.4909



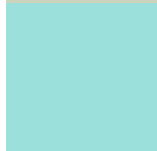
Protanomaly

55.5567, 64.5231, 52.7061



Deuteranomaly

57.9056, 63.7402, 57.3953



Tritanomaly

52.9594, 65.3943, 76.8489

Monochromacy



Original Color

48.8191, 65.3279, 56.4909



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.6066, 59.6915, 59.8406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8191, 65.3279, 56.4909 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(148, 228, 186)` looks like.

```
.text, #text, p{  
    color:rgb(148, 228, 186)  
}
```

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(148, 228, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 228, 186) }
```

Border

The CSS property to change the border of an element to XYZ 48.8191, 65.3279, 56.4909 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(148, 228, 186) }
```


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

```
.border{ border-color:rgb(148, 228, 186) }
```

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

Here you see how a box with a 4 pixel rgb(148, 228, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 228, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 228, 186);  
box-shadow:4px 4px 4px 4px rgb(148, 228,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8191, 65.3279, 56.4909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 228, 186) }
```

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

```
.background{ background-color: rgb(148,  
228, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor