

Converting Colors

XYZ(50.4908, 63.9811, 83.0872)

Have a look what the booklet for
XYZ(50.4908, 63.9811, 83.0872)
contains.

XYZ(50.4908, 63.9811, 83.0872)	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(50.4908, 63.9811,
83.0872)**

Conversions

Conversions Part 1

Format	Color
Hex	86E0E4
RGB	134, 224, 228
RGB Percent	53%, 88%, 89%
CMY	0.4745, 0.1216, 0.1059
CMYK	0.41, 0.02, 0.00, 0.11
HSL	183°, 64%, 71%
HSV	183°, 41%, 89%
XYZ	50.4908, 63.9811, 83.0872
YIQ	197.5460, -54.9240, -17.8360

Conversions

Conversions Part 2

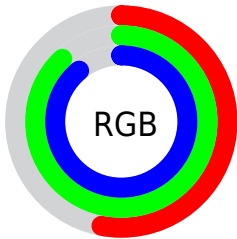
Format	Color
RYB	134, 180, 228
Decimal	8839396
CIELab	83.96, -25.90, -10.43
CIELCh	84, 27.920, 201.925
Yxy	63.9811, 0.2556, 0.3239
Android (android.graphics.Color)	4287029476 (0xFF86E0E4)
YUV	197.5460, 15.0138, -55.7298
Hunter-Lab	79.9882, -27.3051, -5.5954

Details

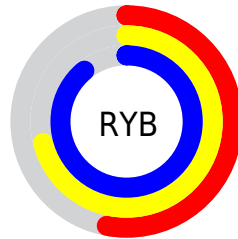
The XYZ color **50.4908, 63.9811, 83.0872** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.3875, 36.3931, 27.1883**, and the grayscale version is **53.3385, 56.1162, 61.1106**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.6060, 32.6002, 44.5308** is the 20% darker color. If you saturate the color by 10%, you get **46.9819, 61.7879, 82.8499**, and if you desaturate by 10%, it is **54.7884, 66.5861, 83.3646**.

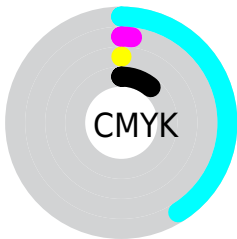
Distribution



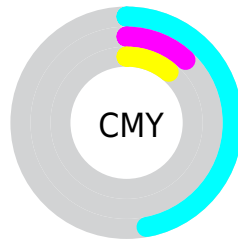
- Red (53%)
- Green (88%)
- Blue (89%)



- Red (53%)
- Yellow (71%)
- Blue (89%)



- Cyan (41%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)





- Cyan (47%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4908, 63.9811, 83.0872 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 50.4908, 63.9811, 83.0872 by changing the saturation by 10% instead.


 50.4908, 63.9811,
83.0872


 50.4908, 63.9811,
83.0872

379.0025,
439.1214, 525.2557


 36.0229, 46.6354,
61.7211


 90.0891, 110.5837,
139.5479

 24.6221, 32.7475,
44.3730


 115.9503,
140.6094, 175.4796

 15.9230, 21.9331,
30.6245

 146.3399,
175.6305, 217.1035

 9.5601, 13.8077,
20.0570

181.6234,
216.0314, 264.8382

 5.1683, 7.9871,
12.2520

222.1660,
262.1966, 319.1022

 2.3821, 4.0867,
6.7909

268.3331,

 0.8362, 1.7222,

314.5104, 380.3141

3.2552

320.4902,
373.3572, 448.8924

■ 0.0000, 0.4379,
1.2264

■ 0.0000, 0.0000,
0.0003

■ 50.4908, 63.9811,
83.0872

■ 50.4908, 63.9811,
83.0872

■ 46.9819, 61.7879,
82.8499

■ 54.7884, 66.5861,
83.3646

■ 44.2051, 59.9728,
82.6459


■ 59.9152, 69.6193,
83.6799


■ 42.1055, 58.5091,
82.4741

■ 65.9159, 73.1052,
84.0364


■ 40.6179, 57.3630,
82.3313

■ 72.8302, 77.0642,
84.4362


 39.6645, 56.4945,
82.2139


 80.6955, 81.5158,
84.8809

 39.1543, 55.9025,
82.1265

 83.4911, 83.3561,
85.0887

 83.7614, 83.8967,
85.1789

 84.0332, 84.4404,
85.2695

 84.3066, 84.9871,
85.3606

Harmonies

Analogous

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



49.8418, 63.9811, 65.0157



50.4908, 63.9811, 83.0872



53.8087, 63.9811, 99.8619

Triad

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



50.4908, 63.9811, 83.0872



70.6016, 63.9811, 92.7007



62.4880, 63.9811, 41.2312

Complementary

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



50.4908, 63.9811, 83.0872



45.3875, 36.3931, 27.1883

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.



68.3982, 63.9811, 46.2656



50.4908, 63.9811, 83.0872



73.2845, 63.9811, 74.5299

Square

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



50.4908, 63.9811, 83.0872



65.3342, 63.9811, 106.0315



72.4521, 63.9811, 57.7714



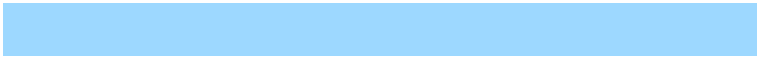
56.5037, 63.9811, 42.7388

Rectangle

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



50.4908, 63.9811, 83.0872



57.2173, 63.9811, 107.0642



72.4521, 63.9811, 57.7714



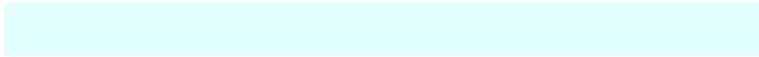
64.5545, 63.9811, 42.1796

Sweetspot

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



50.4927, 63.9836, 83.0887



84.2608, 93.8238, 108.2765



42.1013, 62.3664, 33.5377



17.8063, 19.9499, 23.1622



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.



50.4927, 63.9836, 83.0887



61.3517, 80.1460, 106.8439



39.7305, 42.4592, 79.5013



14.7522, 16.2257, 18.4987



22.6318, 32.3258, 47.4298



1.6888, 2.4215, 3.5104

Inverse Universe

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



53.9762, 38.9277, 75.1927



66.4354, 44.1210, 95.1992



53.4676, 52.5532, 29.8816



14.9672, 14.6041, 18.0279



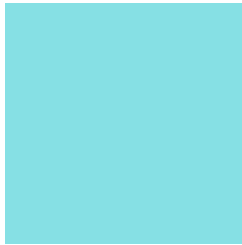
25.8170, 12.4610, 39.5269



1.9161, 0.9241, 2.9645

Previews

White Background



This preview shows how the XYZ color 50.4908, 63.9811, 83.0872 looks on a white background.

Color Contrast Check

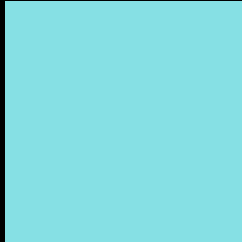
Large Text (above 18pt) WCAG AA × Fail

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 50.4908, 63.9811, 83.0872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

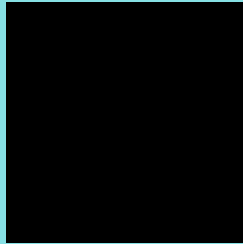
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4908, 63.9811, 83.0872

Background



This preview shows how black text looks on a background with the XYZ color 50.4908, 63.9811, 83.0872.

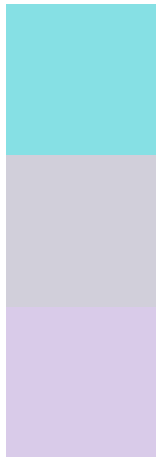


This preview shows how white text looks on a background with the XYZ color 50.4908, 63.9811,

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

50.4908, 63.9811, 83.0872

Protanopia

61.2622, 63.2429, 75.3079

Deuteranopia

64.6792, 63.3468, 85.9090



Tritanopia

52.1660, 63.8522, 92.0133

Trichromacy



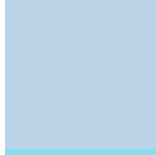
Original Color

50.4908, 63.9811, 83.0872



Protanomaly

56.2705, 62.8075, 78.2645



Deuteranomaly

58.2116, 62.9228, 84.6786



Tritanomaly

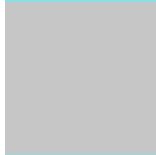
51.6813, 64.0657, 88.9989

Monochromacy



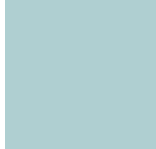
Original Color

50.4908, 63.9811, 83.0872



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.5006, 58.3431, 68.8686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4908, 63.9811, 83.0872 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(134, 224, 228)` looks like.

```
.text, #text, p{  
    color:rgb(134, 224, 228)  
}
```

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(134, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 224, 228) }
```

Border

The CSS property to change the border of an element to XYZ 50.4908, 63.9811, 83.0872 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(134, 224, 228) }
```


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

```
.border{ border-color:rgb(134, 224, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 224, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(134, 224,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4908, 63.9811, 83.0872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 224, 228) }
```

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

```
.background{ background-color: rgb(134,  
224, 228) }
```

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