

Converting Colors

XYZ(49.3325, 63.7482, 80.7971)

Have a look what the booklet for
XYZ(49.3325, 63.7482, 80.7971)
contains.

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Color

**XYZ(49.4179, 63.8759,
80.9588)**

Conversions

Conversions Part 1

Format	Color
Hex	80E1E1
RGB	128, 225, 225
RGB Percent	50%, 88%, 88%
CMY	0.4980, 0.1176, 0.1176
CMYK	0.43, 0.00, 0.00, 0.12
HSL	180°, 62%, 69%
HSV	180°, 43%, 88%
XYZ	49.4179, 63.8759, 80.9588
YIQ	195.9970, -57.8120, -20.5640

Conversions

Conversions Part 2

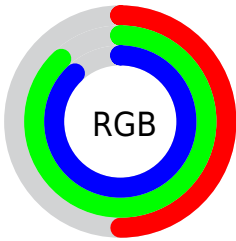
Format	Color
RYB	128, 177, 225
Decimal	8446433
CIELab	83.90, -28.55, -8.95
CIELCh	84, 29.922, 197.395
Yxy	63.8759, 0.2544, 0.3288
Android (android.graphics.Color)	4286636513 (0xFF80E1E1)
YUV	195.9970, 14.2985, -59.6334
Hunter-Lab	79.9224, -29.4935, -4.1132

Details

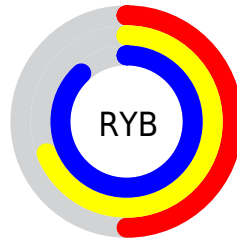
The XYZ color **49.4179, 63.8759, 80.9588** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.6690, 33.0063, 24.5463**, and the grayscale version is **52.4110, 55.1404, 60.0479**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **23.8979, 32.5434, 43.0522** is the 20% darker color. If you saturate the color by 10%, you get **46.4021, 62.3227, 80.8187**, and if you desaturate by 10%, it is **53.1879, 65.8209, 81.1370**.

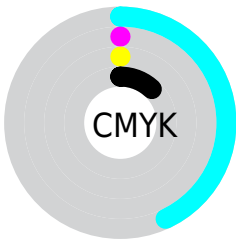
Distribution



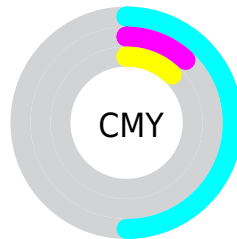
- Red (50%)
- Green (88%)
- Blue (88%)



- Red (50%)
- Yellow (69%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (50%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4179, 63.8759, 80.9588 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 49.4179, 63.8759, 80.9588 by changing the saturation by 10% instead.


 49.4179, 63.8759,
80.9588


 49.4179, 63.8759,
80.9588


374.8749,
438.7414, 517.9499


 35.1670, 46.5502,
59.9769


 88.5088, 110.4322,
136.5365

 23.9587, 32.6802,
42.9748


 114.0795,
140.4315, 171.9693

 15.4275, 21.8816,
29.5341


 144.1542,
175.4242, 213.0561

 9.2082, 13.7699,
19.2362

179.0983,
215.7946, 260.2156

 4.9355, 7.9608,
11.6625

219.2770,
261.9271, 313.8661

 2.2438, 4.0699,
6.3946

265.0558,

 0.7657, 1.7127,

314.2062, 374.4263

3.0138

316.8000,
373.0161, 442.3148

■ 0.0000, 0.4319,
1.1017

■ 0.0000, 0.0000,
0.0000

■ 49.4179, 63.8759,
80.9588

■ 49.4179, 63.8759,
80.9588

■ 46.4021, 62.3227,
80.8187

■ 53.1879, 65.8209,
81.1370

■ 44.0845, 61.1280,
80.7098


■ 57.7519, 68.1737,
81.3510


■ 42.4109, 60.2652,
80.6311


■ 63.1538, 70.9585,
81.6042


■ 41.3162, 59.7009,
80.5794

■ 69.4325, 74.1953,
81.8985

 40.7220, 59.3946,
80.5512


 76.6247, 77.9030,
82.2355

 40.5166, 59.2887,
80.5413

 81.7576, 80.5491,
82.4761

 81.7576, 80.5491,
82.4765

 81.7577, 80.5491,
82.4769

 81.7578, 80.5492,
82.4773

Harmonies

Analogous

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



49.1796, 63.8759, 61.9362



49.4179, 63.8759, 80.9588



52.5414, 63.8759, 99.7855

Triad

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



49.4179, 63.8759, 80.9588



70.5122, 63.8759, 97.0851



63.5161, 63.8759, 39.8351

Complementary

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



49.4179, 63.8759, 80.9588



42.6690, 33.0063, 24.5463

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.



69.6889, 63.8759, 46.1370



49.4179, 63.8759, 80.9588



73.9198, 63.8759, 77.7635

Square

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



49.4179, 63.8759, 80.9588



64.5750, 63.8759, 110.1894



73.6080, 63.8759, 59.2668



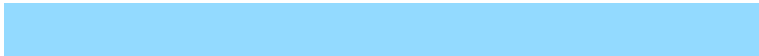
57.0065, 63.8759, 40.3784

Rectangle

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



49.4179, 63.8759, 80.9588



55.9762, 63.8759, 108.6652



73.6080, 63.8759, 59.2668



65.7079, 63.8759, 41.1676

Sweetspot

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



49.4198, 63.8784, 80.9603



83.8881, 94.2459, 108.3769



39.9707, 60.1271, 29.9225



17.5930, 19.9856, 23.1801



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.



49.4198, 63.8784, 80.9603



61.8923, 82.9066, 107.3454



38.4383, 41.9148, 77.3014



14.1166, 15.5724, 17.6493



23.3466, 34.1635, 46.4098



1.6183, 2.3680, 3.2169

Inverse Universe

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



42.6690, 33.0063, 24.5463



51.7867, 36.6927, 22.8966



50.2572, 48.1829, 27.0749



13.7073, 13.7006, 14.2289



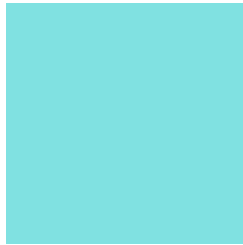
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 49.4179, 63.8759, 80.9588 looks on a white background.

Color Contrast Check

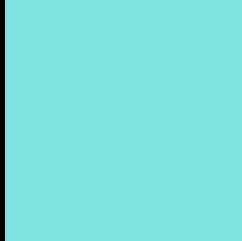
Large Text (above 18pt) WCAG AA × Fail

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 49.4179, 63.8759, 80.9588 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 49.4179, 63.8759, 80.9588

Background



This preview shows how black text looks on a background with the XYZ color 49.4179, 63.8759, 80.9588.

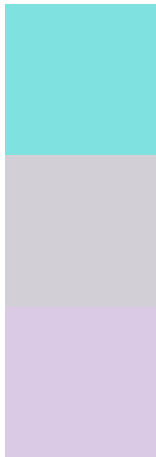


This preview shows how white text looks on a background with the XYZ color 49.4179, 63.8759,

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

49.4179, 63.8759, 80.9588

Protanopia

61.0288, 63.1823, 72.5972

Deuteranopia

64.3169, 62.8597, 83.6062



Tritanopia

51.9377, 64.1128, 92.8567

Trichromacy



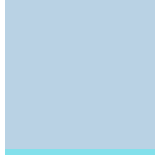
Original Color

49.4179, 63.8759, 80.9588



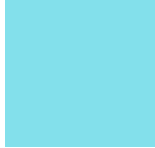
Protanomaly

55.5238, 62.8584, 75.5361



Deuteranomaly

57.0578, 62.0089, 82.3604



Tritanomaly

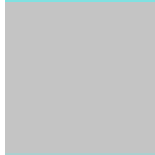
51.0111, 64.1348, 88.2879

Monochromacy



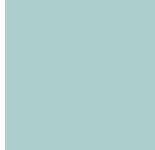
Original Color

49.4179, 63.8759, 80.9588



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.3699, 57.7886, 67.5310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4179, 63.8759, 80.9588 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(128, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(128, 225, 225)  
}
```

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(128, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 225, 225) }
```

Border

The CSS property to change the border of an element to XYZ 49.4179, 63.8759, 80.9588 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(128, 225, 225) }
```


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

```
.border{ border-color:rgb(128, 225, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 225, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 225, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 225, 225); box-shadow:4px 4px 4px 4px rgb(128, 225, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4179, 63.8759, 80.9588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 225, 225) }
```

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

```
.background{ background-color: rgb(128,  
225, 225) }
```

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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