

Converting Colors

XYZ(40.5802, 59.0125, 79.8992)

Have a look what the booklet for
XYZ(40.5802, 59.0125, 79.8992)
contains.

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Color

**XYZ(40.5111, 58.8998,
79.7547)**

Conversions

Conversions Part 1

Format	Color
Hex	19E0E0
RGB	25, 224, 224
RGB Percent	10%, 88%, 88%
CMY	0.9019, 0.1216, 0.1216
CMYK	0.89, 0.00, 0.00, 0.12
HSL	180°, 80%, 49%
HSV	180°, 89%, 88%
XYZ	40.5111, 58.8998, 79.7547
YIQ	164.4990, -118.6040, -42.1880

Conversions

Conversions Part 2

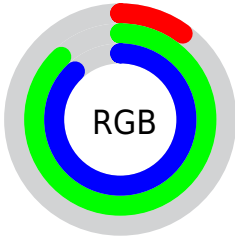
Format	Color
RYB	25, 125, 224
Decimal	1695968
CIELab	81.24, -42.84, -12.64
CIELCh	81, 44.664, 196.435
Yxy	58.8998, 0.2261, 0.3287
Android (android.graphics.Color)	4279886048 (0xFF19E0E0)
YUV	164.4990, 29.3340, -122.3406
Hunter-Lab	76.7462, -40.0832, -7.8919

Details

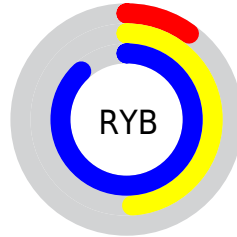
The XYZ color **40.5111, 58.8998, 79.7547** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.2655, 16.6146, 2.4804**, and the grayscale version is **35.4340, 37.2794, 40.5972**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **21.1641, 30.8698, 42.3791** is the 20% darker color. If you saturate the color by 10%, you get **40.1442, 58.7119, 79.7387**, and if you desaturate by 10%, it is **41.3035, 59.3095, 79.7932**.

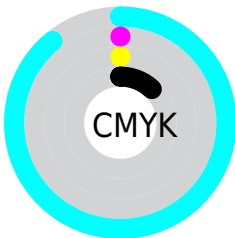
Distribution



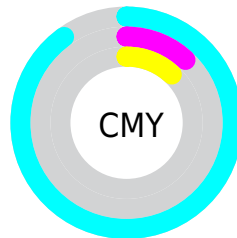
- Red (10%)
- Green (88%)
- Blue (88%)



- Red (10%)
- Yellow (49%)
- Blue (88%)



- Cyan (89%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (90%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5111, 58.8998, 79.7547 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 40.5111, 58.8998, 79.7547 by changing the saturation by 10% instead.

 40.5111, 58.8998,
79.7547


 40.5111, 58.8998,
79.7547


339.3707,
420.5305, 513.7907


 28.1232, 42.5325,
58.9915


 75.2206, 103.2320,
134.8291


 18.5595, 29.5185,
42.1863


 98.2729, 131.9657,
169.9774

 11.4545, 19.4734,
28.9206


 125.6108,
165.5903, 210.7578

 6.4430, 12.0128,
18.7757

 157.5996,
204.4901, 257.5889

 3.1595, 6.7524,
11.3331

 194.6046,
249.0497, 310.8892

 1.2386, 3.3077,
6.1744

236.9912,

 0.1366, 1.2944,

299.6534, 371.0772

2.8809

285.1248,
356.6855, 438.5716

■ 0.0000, 0.1369,
1.0342

■ 0.0000, 0.0000,
0.0000

■ 40.5111, 58.8998,
79.7547

■ 40.5111, 58.8998,
79.7547

■ 40.1442, 58.7119,
79.7387

■ 41.3035, 59.3095,
79.7932

■ 40.1113, 58.6949,
79.7372

■ 42.6248, 59.9907,
79.8552

■ 44.5479, 60.9821,
79.9453

■ 47.1330, 62.3148,
80.0665

■ 50.4328, 64.0159,
80.2210

■ 54.4950, 66.1100,
80.4113

■ 59.3628, 68.6195,
80.6392

■ 65.0766, 71.5650,
80.9067

■ 71.6738, 74.9660,
81.2156

Harmonies

Analogous

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



40.3244, 58.8998, 52.8454



40.5111, 58.8998, 79.7547



44.5317, 58.8998, 108.9036

Triad

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



40.5111, 58.8998, 79.7547



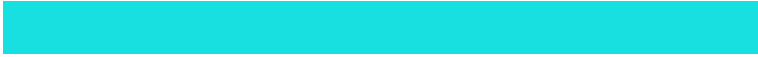
69.9781, 58.8998, 106.3398



60.2860, 58.8998, 26.0950

Complementary

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



40.5111, 58.8998, 79.7547



31.2655, 16.6146, 2.4804

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.



69.2450, 58.8998, 33.6996



40.5111, 58.8998, 79.7547



75.2453, 58.8998, 76.9208

Square

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



40.5111, 58.8998, 79.7547



61.2005, 58.8998, 126.9271



74.9631, 58.8998, 50.6953



51.0699, 58.8998, 26.4616

Rectangle

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



40.5111, 58.8998, 79.7547



49.1278, 58.8998, 123.5215



74.9631, 58.8998, 50.6953



63.4468, 58.8998, 27.6884

Sweetspot

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



40.5129, 58.9020, 79.7561



74.0961, 89.1979, 107.9189



27.3207, 53.6351, 9.8340



15.4201, 18.8654, 23.0785



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.



40.5129, 58.9020, 79.7561



53.8097, 78.7399, 106.9682



21.5539, 20.9836, 73.4375



14.1166, 15.5724, 17.6494



23.3469, 34.1636, 46.4113



1.6183, 2.3680, 3.2170

Inverse Universe

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



31.2655, 16.6146, 2.4804



41.2400, 21.2600, 1.9301



37.7789, 29.6414, 4.6515



13.7073, 13.7006, 14.2288



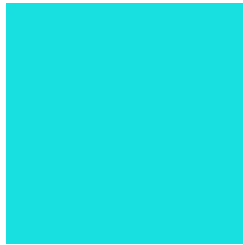
17.8932, 9.2243, 0.8374



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 40.5111, 58.8998, 79.7547 looks on a white background.

Color Contrast Check

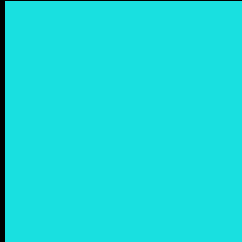
Large Text (above 18pt) WCAG AA × Fail

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 40.5111, 58.8998, 79.7547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

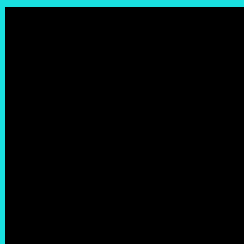
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

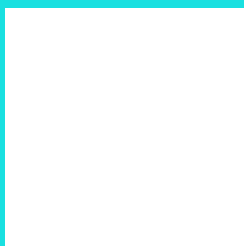
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5111, 58.8998, 79.7547

Background



This preview shows how black text looks on a background with the XYZ color 40.5111, 58.8998, 79.7547.

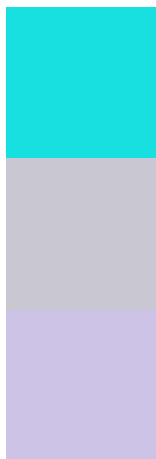


This preview shows how white text looks on a background with the XYZ color 40.5111, 58.8998,

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

40.5111, 58.8998, 79.7547

Protanopia

56.0194, 57.8678, 68.5387

Deuteranopia

58.9749, 57.7225, 82.8962



Tritanopia

42.9762, 59.1147, 91.5833

Trichromacy



Original Color

40.5111, 58.8998, 79.7547



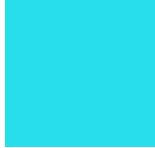
Protanomaly

45.0100, 55.2852, 71.9172



Deuteranomaly

46.8901, 55.3195, 81.6051



Tritanomaly

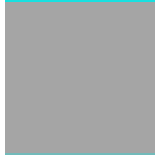
42.0383, 59.1279, 87.0391

Monochromacy



Original Color

40.5111, 58.8998, 79.7547



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.3613, 42.2404, 52.8493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5111, 58.8998, 79.7547 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(25, 224, 224)` looks like.

```
.text, #text, p{  
    color:rgb(25, 224, 224)  
}
```

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(25, 224, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 224, 224) }
```

Border

The CSS property to change the border of an element to XYZ 40.5111, 58.8998, 79.7547 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(25, 224, 224) }
```


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

```
.border{ border-color:rgb(25, 224, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 224, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 224, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 224, 224);  
box-shadow:4px 4px 4px 4px rgb(25, 224,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5111, 58.8998, 79.7547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 224, 224) }
```

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

```
.background{ background-color: rgb(25, 224,  
224) }
```

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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