

Converting Colors

XYZ(40.0106, 59.0926, 64.4965)

Have a look what the booklet for
XYZ(40.0106, 59.0926, 64.4965)
contains.

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Color

**XYZ(39.9459, 58.9448,
64.5305)**

Conversions

Conversions Part 1

Format	Color
Hex	49E0C9
RGB	73, 224, 201
RGB Percent	29%, 88%, 79%
CMY	0.7137, 0.1216, 0.2118
CMYK	0.67, 0.00, 0.10, 0.12
HSL	171°, 71%, 58%
HSV	171°, 67%, 88%
XYZ	39.9459, 58.9448, 64.5305
YIQ	176.2290, -82.6130, -39.1650

Conversions

Conversions Part 2

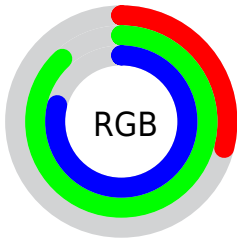
Format	Color
R _Y B	73, 155, 224
Decimal	4841673
CIE Lab	81.26, -44.70, -0.30
CIE LCh	81, 44.705, 180.390
Yxy	58.9448, 0.2444, 0.3607
Android (android.graphics.Color)	4283031753 (0xFF49E0C9)
YUV	176.2290, 12.2121, -90.5318
Hunter-Lab	76.7755, -41.4845, 3.9091

Details

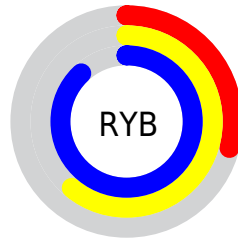
The XYZ color **39.9459, 58.9448, 64.5305** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.2363, 21.4585, 13.3531**, and the grayscale version is **41.3572, 43.5110, 47.3835**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **19.2691, 30.1118, 32.4003** is the 20% darker color. If you saturate the color by 10%, you get **38.1478, 58.0651, 62.3752**, and if you desaturate by 10%, it is **42.3672, 60.1475, 66.7641**.

Distribution



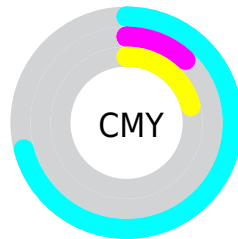
- Red (29%)
- Green (88%)
- Blue (79%)



- Red (29%)
- Yellow (61%)
- Blue (88%)



- Cyan (67%)
- Magenta (0%)
- Yellow (10%)
- Black (12%)





- Cyan (71%)
- Magenta (12%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9459, 58.9448, 64.5305 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 39.9459, 58.9448, 64.5305 by changing the saturation by 10% instead.


 39.9459, 58.9448,
64.5305


 39.9459, 58.9448,
64.5305

337.0338,
420.6973, 459.3628


 27.6804, 42.5687,
46.6316


 74.3660, 103.2974,
112.9814


 18.2241, 29.5468,
32.3922


 97.2513, 132.0427,
144.3704

 11.2117, 19.4949,
21.3940


 124.4072,
165.6799, 181.0932

 6.2777, 12.0284,
13.2182

 156.1991,
204.5933, 223.5684

 3.0569, 6.7630,
7.4465

192.9924,
249.1674, 272.2143

 1.1839, 3.3143,
3.6602

235.1524,

 0.0936, 1.2980,

299.7865, 327.4497

1.4409

283.0444,
356.8350, 389.6930

■ 0.0000, 0.1396,
0.1733

■ 0.0000, 0.0000,
0.0000

■ 39.9459, 58.9448,
64.5305

■ 39.9459, 58.9448,
64.5305

■ 38.1478, 58.0651,
62.3752

■ 42.3672, 60.1475,
66.7641

■ 36.8987, 57.4660,
60.2906


■ 45.4655, 61.6968,
69.0750


■ 36.1074, 57.1019,
58.2733


■ 49.2947, 63.6219,
71.4672


■ 35.9378, 57.0257,
57.7596


■ 53.9017, 65.9468,
73.9432

 59.3294, 68.6938,
76.5054

 65.6177, 71.8834,
79.1558

 72.8039, 75.5348,
81.8965

 80.9228, 79.6659,
84.7295

 82.4213, 80.3831,
87.3015

Harmonies

Analogous

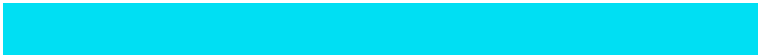
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.8429, 58.9448, 42.0127



39.9459, 58.9448, 64.5305



41.9433, 58.9448, 93.8069

Triad

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



39.9459, 58.9448, 64.5305



65.5900, 58.9448, 119.4213



65.3558, 58.9448, 29.0984

Complementary

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



39.9459, 58.9448, 64.5305



35.2363, 21.4585, 13.3531

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.



72.9515, 58.9448, 41.5586



39.9459, 58.9448, 64.5305



73.0969, 58.9448, 93.0306

Square

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



39.9459, 58.9448, 64.5305



56.1472, 58.9448, 130.4093



75.9269, 58.9448, 63.8325



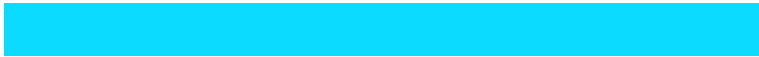
55.9035, 58.9448, 25.3195

Rectangle

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



39.9459, 58.9448, 64.5305



45.3575, 58.9448, 112.4032



75.9269, 58.9448, 63.8325



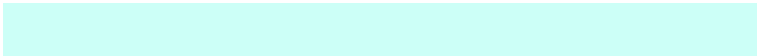
68.2468, 58.9448, 32.2020

Sweetspot

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



39.9476, 58.9471, 64.5319



77.4860, 91.0870, 101.6803



32.9151, 56.4006, 15.4561



16.1383, 19.2701, 21.5549



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.



39.9476, 58.9471, 64.5319



50.3919, 77.5160, 82.4974



31.2758, 36.9440, 76.0060



14.0221, 15.5346, 17.1518



20.9521, 33.2057, 33.8004



1.4769, 2.3115, 2.4725

Inverse Universe

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



35.2363, 21.4585, 13.3531



43.7603, 23.9888, 9.8967



39.0695, 30.5792, 10.1477



13.7919, 13.7344, 14.6744



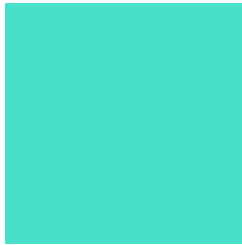
18.0887, 9.3025, 1.8672



1.2807, 0.6555, 0.2710

Previews

White Background



This preview shows how the XYZ color 39.9459, 58.9448, 64.5305 looks on a white background.

Color Contrast Check

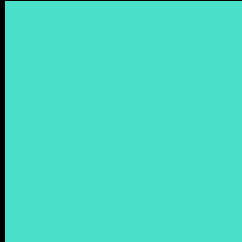
Large Text (above 18pt) WCAG AA × Fail

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 39.9459, 58.9448, 64.5305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

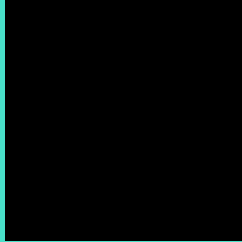
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

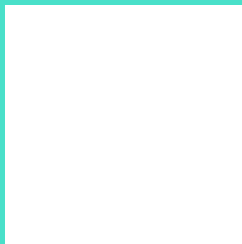
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9459, 58.9448, 64.5305

Background



This preview shows how black text looks on a background with the XYZ color 39.9459, 58.9448, 64.5305.

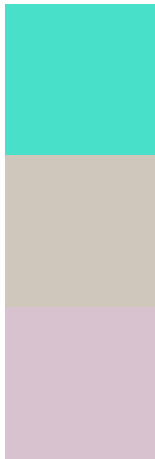


This preview shows how white text looks on a background with the XYZ color 39.9459, 58.9448,

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

39.9459, 58.9448, 64.5305

Protanopia

55.1252, 57.7001, 55.2455

Deuteranopia

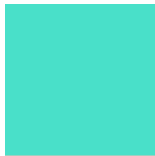
58.8732, 57.6875, 67.0633



Tritanopia

44.8340, 58.9511, 89.1365

Trichromacy



Original Color

39.9459, 58.9448, 64.5305



Protanomaly

46.1709, 56.1866, 58.2808



Deuteranomaly

48.1606, 55.9629, 66.0212



Tritanomaly

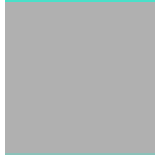
42.9672, 58.9795, 79.6406

Monochromacy



Original Color

39.9459, 58.9448, 64.5305



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.4744, 47.1317, 52.9684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9459, 58.9448, 64.5305 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(73, 224, 201)` looks like.

```
.text, #text, p{  
    color:rgb(73, 224, 201)  
}
```

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(73, 224, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 224, 201) }
```

Border

The CSS property to change the border of an element to XYZ 39.9459, 58.9448, 64.5305 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(73, 224, 201) }
```


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

```
.border{ border-color:rgb(73, 224, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 224, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 224, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 224, 201);  
box-shadow:4px 4px 4px 4px rgb(73, 224,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9459, 58.9448, 64.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 224, 201) }
```

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

```
.background{ background-color: rgb(73, 224,  
201) }
```

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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