

Converting Colors

XYZ(39.9116, 57.8528, 74.3903)

Have a look what the booklet for
XYZ(39.9116, 57.8528, 74.3903)
contains.

XYZ(40.0109, 57.9561, 74.7235)	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(40.0109, 57.9561,
74.7235)**

Conversions

Conversions Part 1

Format	Color
Hex	33DED9
RGB	51, 222, 217
RGB Percent	20%, 87%, 85%
CMY	0.7999, 0.1294, 0.1490
CMYK	0.77, 0.00, 0.02, 0.13
HSL	178°, 72%, 54%
HSV	178°, 77%, 87%
XYZ	40.0109, 57.9561, 74.7235
YIQ	170.3010, -100.3110, -37.8070

Conversions

Conversions Part 2

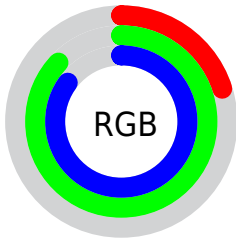
Format	Color
RYB	51, 138, 222
Decimal	3399385
CIELab	80.71, -42.14, -9.66
CIELCh	81, 43.238, 192.914
Yxy	57.9561, 0.2317, 0.3356
Android (android.graphics.Color)	4281589465 (0xFF33DED9)
YUV	170.3010, 23.0226, -104.6270
Hunter-Lab	76.1289, -39.4117, -4.9052

Details

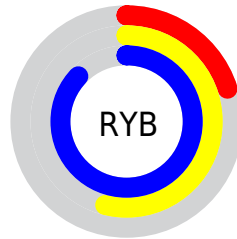
The XYZ color **40.0109, 57.9561, 74.7235** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.0238, 18.1846, 5.5654**, and the grayscale version is **38.2858, 40.2796, 43.8645**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **20.1578, 29.8811, 38.8876** is the 20% darker color. If you saturate the color by 10%, you get **39.0638, 57.4789, 74.2404**, and if you desaturate by 10%, it is **41.4952, 58.7128, 75.2361**.

Distribution



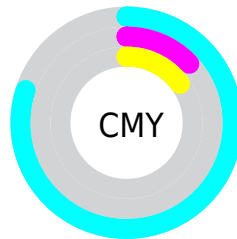
- Red (20%)
- Green (87%)
- Blue (85%)



- Red (20%)
- Yellow (54%)
- Blue (87%)



- Cyan (77%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)



- Cyan (80%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0109, 57.9561, 74.7235 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 40.0109, 57.9561, 74.7235 by changing the saturation by 10% instead.

40.0109, 57.9561,
74.7235

40.0109, 57.9561,
74.7235

337.3031,
417.0223, 496.1967

27.7313, 41.7734,
54.8860

74.4643, 101.8589,
127.6644

18.2626, 28.9239,
38.9125

97.3689, 130.3478,
161.6049

11.2395, 19.0232,
26.3844

124.5458,
163.7075, 201.0835

6.2967, 11.6871,
16.8831

156.3604,
202.3224, 246.5187

3.0687, 6.5310,
9.9901

193.1781,
246.5770, 298.3291

1.1902, 3.1705,
5.2869

235.3642,

0.0986, 1.2214,

296.8556, 356.9332

2.3549

283.2841,
353.5425, 422.7496

■ 0.0000, 0.0791,
0.7617

■ 0.0000, 0.0000,
0.0000

■ 40.0109, 57.9561,
74.7235

■ 40.0109, 57.9561,
74.7235

■ 39.0638, 57.4789,
74.2404

■ 41.4952, 58.7128,
75.2361


■ 38.5612, 57.2295,
73.7785


■ 43.5788, 59.7771,
75.7772


■ 38.4535, 57.1768,
73.6432


■ 46.3206, 61.1807,
76.3509


■ 49.7713, 62.9497,
76.9594

 53.9766, 65.1077,
77.6050

 58.9784, 67.6762,
78.2897

 64.8154, 70.6753,
79.0151

 71.5239, 74.1236,
79.7831

 79.1381, 78.0388,
80.5953

Harmonies

Analogous

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



40.2724, 57.9561, 49.7530



40.0109, 57.9561, 74.7235



43.4619, 57.9561, 102.7776

Triad

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



40.0109, 57.9561, 74.7235



67.6001, 57.9561, 106.3146



60.2763, 57.9561, 26.8513

Complementary

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



40.0109, 57.9561, 74.7235



32.0238, 18.1846, 5.5654

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.



68.6162, 57.9561, 35.2338



40.0109, 57.9561, 74.7235



73.1473, 57.9561, 78.6531

Square

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



40.0109, 57.9561, 74.7235



59.0058, 57.9561, 124.0625



73.5381, 57.9561, 52.7568



51.3429, 57.9561, 26.3316

Rectangle

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



40.0109, 57.9561, 74.7235



47.6440, 57.9561, 117.6752



73.5381, 57.9561, 52.7568



63.2642, 57.9561, 28.7128

Sweetspot

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



40.0126, 57.9583, 74.7249



76.3911, 90.4127, 106.5914



28.3910, 53.3449, 11.9337



15.8432, 19.0914, 22.7432



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.



40.0126, 57.9583, 74.7249



53.0213, 78.4588, 101.2684



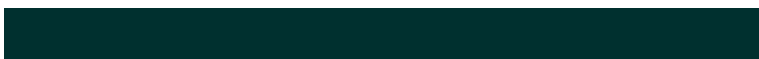
24.2551, 25.3862, 72.7312



14.0983, 15.5651, 17.5531



22.8475, 33.9638, 43.7813



1.5892, 2.3564, 3.0639

Inverse Universe

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



32.0238, 18.1846, 5.5654



41.6982, 21.8549, 3.0736



38.8136, 31.9504, 7.2548



13.7234, 13.7070, 14.3137



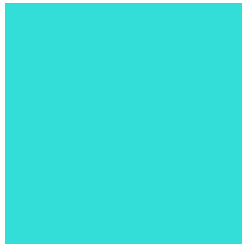
17.9214, 9.2356, 0.9859



1.2480, 0.6425, 0.0989

Previews

White Background



This preview shows how the XYZ color 40.0109, 57.9561, 74.7235 looks on a white background.

Color Contrast Check

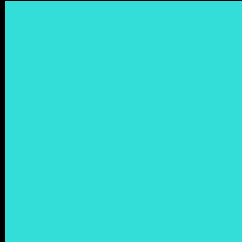
Large Text (above 18pt) WCAG AA × Fail

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 40.0109, 57.9561, 74.7235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

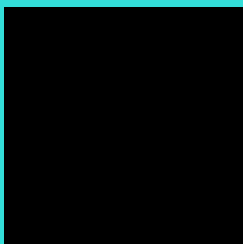
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

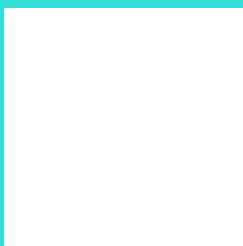
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0109, 57.9561, 74.7235

Background



This preview shows how black text looks on a background with the XYZ color 40.0109, 57.9561, 74.7235.

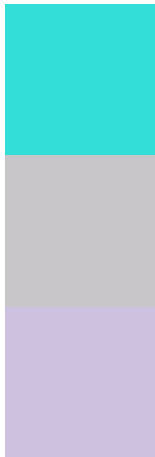


This preview shows how white text looks on a background with the XYZ color 40.0109, 57.9561,

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

40.0109, 57.9561, 74.7235

Protanopia

54.9421, 57.0699, 63.9970

Deuteranopia

57.8428, 56.5895, 77.6862



Tritanopia

42.8643, 57.9357, 89.0443

Trichromacy



Original Color

40.0109, 57.9561, 74.7235



Protanomaly

45.4294, 55.2416, 67.2998



Deuteranomaly

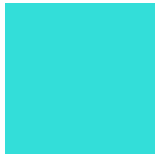
47.2217, 54.8902, 76.5126



Tritanomaly

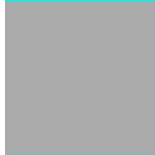
41.8006, 57.8917, 83.8340

Monochromacy



Original Color

40.0109, 57.9561, 74.7235



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.9196, 44.4951, 53.7090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0109, 57.9561, 74.7235 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(51, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(51, 222, 217)  
}
```

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(51, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 222, 217) }
```

Border

The CSS property to change the border of an element to XYZ 40.0109, 57.9561, 74.7235 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(51, 222, 217) }
```


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

```
.border{ border-color:rgb(51, 222, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 222, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 222, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 222, 217);  
box-shadow:4px 4px 4px 4px rgb(51, 222,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0109, 57.9561, 74.7235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 222, 217) }
```

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

```
.background{ background-color: rgb(51, 222,  
217) }
```

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