

Converting Colors

XYZ(40.6650, 59.4925, 80.8770)

Have a look what the booklet for
XYZ(40.6650, 59.4925, 80.8770)
contains.

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Color

**XYZ(40.5158, 59.2867,
80.5422)**

Conversions

Conversions Part 1

Format	Color
Hex	00E1E1
RGB	0, 225, 225
RGB Percent	0%, 88%, 88%
CMY	0.9998, 0.1176, 0.1176
CMYK	1.00, 0.00, 0.00, 0.12
HSL	180°, 100%, 44%
HSV	180°, 100%, 88%
XYZ	40.5158, 59.2867, 80.5422
YIQ	157.7250, -134.1000, -47.7000

Conversions

Conversions Part 2

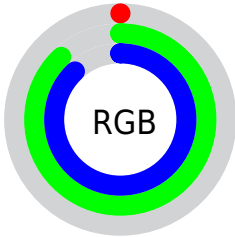
Format	Color
RYB	0, 113, 225
Decimal	57825
CIELab	81.45, -43.74, -12.86
CIELCh	81, 45.592, 196.386
Yxy	59.2867, 0.2247, 0.3287
Android (android.graphics.Color)	4278247905 (0xFF00E1E1)
YUV	157.7250, 33.1666, -138.3248
Hunter-Lab	76.9979, -40.8206, -8.1207

Details

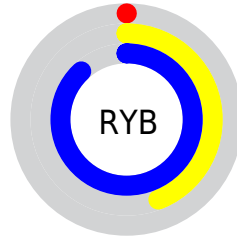
The XYZ color **40.5158, 59.2867, 80.5422** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.0533, 16.0094, 1.4550**, and the grayscale version is **32.2810, 33.9622, 36.9848**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.4437, 31.2782, 42.9373** is the 20% darker color. If you saturate the color by 10%, you get **40.5169, 59.2885, 80.5436**, and if you desaturate by 10%, it is **40.8602, 59.4655, 80.5598**.

Distribution



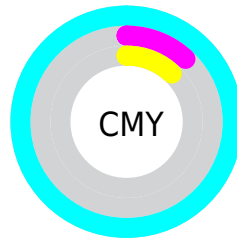
- Red (0%)
- Green (88%)
- Blue (88%)



- Red (0%)
- Yellow (44%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5158, 59.2867, 80.5422 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 40.5158, 59.2867, 80.5422 by changing the saturation by 10% instead.


 40.5158, 59.2867,
80.5422


 40.5158, 59.2867,
80.5422


339.3901,
421.9636, 516.5131


 28.1269, 42.8440,
59.6358


 75.2277, 103.7942,
135.9460


 18.5623, 29.7627,
42.7018


 98.2814, 132.6278,
171.2806


 11.4566, 19.6585,
29.3215


 125.6208,
166.3605, 212.2617

 6.4444, 12.1471,
19.0765

 157.6112,
205.3766, 259.3077

 3.1603, 6.8439,
11.5482

 194.6180,
250.0606, 312.8374

 1.2391, 3.3647,
6.3181

237.0065,

 0.1369, 1.3250,

300.7968, 373.2691

2.9675

285.1420,
357.9696, 441.0215

■ 0.0000, 0.1604,
1.0781

■ 0.0000, 0.0000,
0.0000

■ 40.5158, 59.2867,
80.5422

■ 40.5158, 59.2867,
80.5422

■ 40.5169, 59.2885,
80.5436

■ 40.8602, 59.4655,
80.5598

■ 41.6016, 59.8477,
80.5946

■ 42.8700, 60.5016,
80.6541

■ 44.7389, 61.4650,
80.7417

■ 47.2701, 62.7699,
80.8603

■ 50.5178, 64.4442,
81.0124

■ 54.5306, 66.5128,
81.2003

■ 59.3528, 68.9988,
81.4261

■ 65.0253, 71.9231,
81.6917

Harmonies

Analogous

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



40.3317, 59.2867, 52.9571



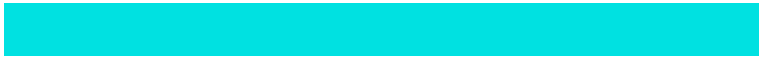
40.5158, 59.2867, 80.5422



44.6170, 59.2867, 110.5648

Triad

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



40.5158, 59.2867, 80.5422



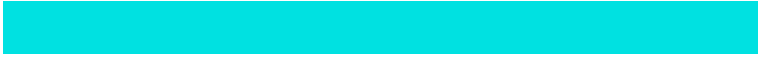
70.7066, 59.2867, 108.0110



60.7805, 59.2867, 25.7645

Complementary

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



40.5158, 59.2867, 80.5422



31.0533, 16.0094, 1.4550

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.



69.9788, 59.2867, 33.4913



40.5158, 59.2867, 80.5422



76.1315, 59.2867, 77.7292

Square

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



40.5158, 59.2867, 80.5422



61.6869, 59.2867, 129.2338



75.8510, 59.2867, 50.8339



51.3306, 59.2867, 26.1229

Rectangle

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



40.5158, 59.2867, 80.5422



49.3150, 59.2867, 125.6681



75.8510, 59.2867, 50.8339



64.0246, 59.2867, 27.3822

Sweetspot

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



40.5176, 59.2889, 80.5436



72.2849, 88.2642, 107.8341



26.9740, 53.8769, 8.9792



14.9625, 18.6295, 23.0571



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.



40.5176, 59.2889, 80.5436



53.8097, 78.7399, 106.9682



19.8692, 17.9917, 73.6621



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.



31.0533, 16.0094, 1.4550



41.2400, 21.2600, 1.9301



36.4978, 26.8985, 3.2698



13.7073, 13.7006, 14.2288



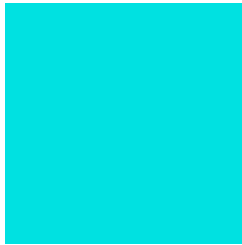
17.8932, 9.2243, 0.8374



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 40.5158, 59.2867, 80.5422 looks on a white background.

Color Contrast Check

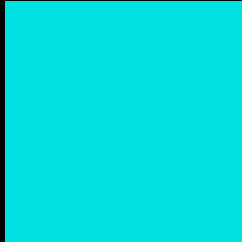
Large Text (above 18pt) WCAG AA × Fail

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 40.5158, 59.2867, 80.5422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

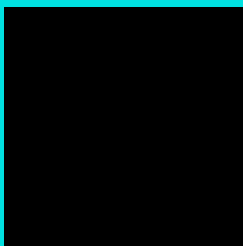
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

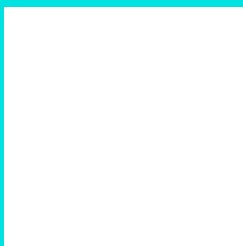
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5158, 59.2867, 80.5422

Background



This preview shows how black text looks on a background with the XYZ color 40.5158, 59.2867, 80.5422.

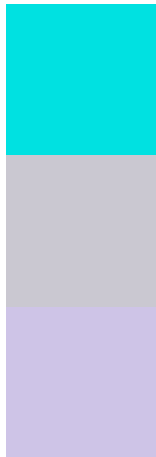


This preview shows how white text looks on a background with the XYZ color 40.5158, 59.2867,

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

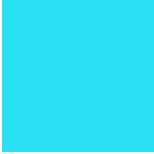
40.5158, 59.2867, 80.5422

Protanopia

56.5200, 58.4686, 68.6282

Deuteranopia

59.6173, 58.3712, 83.7259



Tritanopia

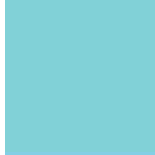
43.1793, 59.5976, 92.4468

Trichromacy



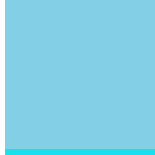
Original Color

40.5158, 59.2867, 80.5422



Protanomaly

44.1195, 55.1744, 72.6144



Deuteranomaly

45.8158, 55.1081, 82.3509



Tritanomaly

42.0771, 59.5291, 87.8698

Monochromacy



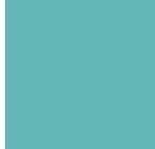
Original Color

40.5158, 59.2867, 80.5422



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.5383, 39.6000, 50.2900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5158, 59.2867, 80.5422 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(0, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 225) }
```

Border

The CSS property to change the border of an element to XYZ 40.5158, 59.2867, 80.5422 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(0, 225, 225) }
```


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

```
.border{ border-color:rgb(0, 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(0, 225, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5158, 59.2867, 80.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 225) }
```

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

```
.background{ background-color: rgb(0, 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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