

Converting Colors

XYZ(40.5177, 59.7567, 76.7645)

Have a look what the booklet for
XYZ(40.5177, 59.7567, 76.7645)
contains.

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Color

**XYZ(40.5935, 59.8069,
77.1145)**

Conversions

Conversions Part 1

Format	Color
Hex	1CE2DC
RGB	28, 226, 220
RGB Percent	11%, 89%, 86%
CMY	0.8901, 0.1137, 0.1372
CMYK	0.88, 0.00, 0.03, 0.11
HSL	178°, 78%, 50%
HSV	178°, 88%, 89%
XYZ	40.5935, 59.8069, 77.1145
YIQ	166.1140, -116.0820, -43.8420

Conversions

Conversions Part 2

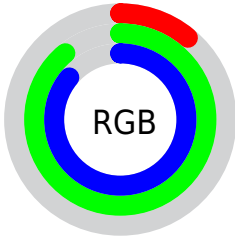
Format	Color
RYB	28, 129, 226
Decimal	1893084
CIELab	81.73, -44.72, -9.77
CIELCh	82, 45.779, 192.321
Yxy	59.8069, 0.2287, 0.3369
Android (android.graphics.Color)	4280083164 (0xFF1CE2DC)
YUV	166.1140, 26.5658, -121.1260
Hunter-Lab	77.3349, -41.6405, -4.9866

Details

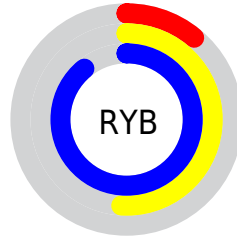
The XYZ color **40.5935, 59.8069, 77.1145** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.0700, 17.1166, 3.1289**, and the grayscale version is **36.2206, 38.1069, 41.4984**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **21.1663, 31.4661, 40.5553** is the 20% darker color. If you saturate the color by 10%, you get **40.0930, 59.5607, 76.6197**, and if you desaturate by 10%, it is **41.5531, 60.2924, 77.6355**.

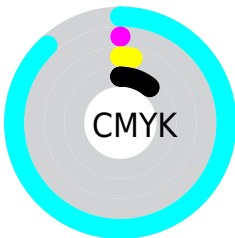
Distribution



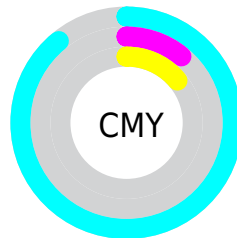
- Red (11%)
- Green (89%)
- Blue (86%)



- Red (11%)
- Yellow (51%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (89%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5935, 59.8069, 77.1145 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 40.5935, 59.8069, 77.1145 by changing the saturation by 10% instead.

40.5935, 59.8069,
77.1145

40.5935, 59.8069,
77.1145

339.7105,
423.8856, 504.6024

28.1879, 43.2630,
56.8347

75.3450, 104.5495,
131.0756

18.6085, 30.0915,
40.4641

98.4216, 133.5170,
165.5940

11.4901, 19.9081,
27.5840

125.7860,
167.3945, 205.6957

6.4672, 12.3282,
17.7760

157.8033,
206.5664, 251.7992

3.1745, 6.9676,
10.6215

194.8391,
251.4170, 304.3231

1.2467, 3.4419,
5.7020

237.2586,

0.1428, 1.3665,

302.3309, 363.6859

2.5989

285.4273,
359.6923, 430.3061

■ 0.0000, 0.1919,
0.8919

■ 0.0000, 0.0000,
0.0000

■ 40.5935, 59.8069,
77.1145

■ 40.5935, 59.8069,
77.1145

■ 40.0930, 59.5607,
76.6197

■ 41.5531, 60.2924,
77.6355

■ 40.0035, 59.5170,
76.5023

■ 43.0628, 61.0601,
78.1828

■ 45.1952, 62.1488,
78.7612

■ 48.0109, 63.5898,
79.3735

■ 51.5632, 65.4103,
80.0222

■ 55.8999, 67.6353,
80.7096

■ 61.0651, 70.2872,
81.4377

■ 67.0994, 73.3872,
82.2085

■ 74.0409, 76.9549,
83.0237

Harmonies

Analogous

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



40.9528, 59.8069, 50.2949



40.5935, 59.8069, 77.1145



44.2138, 59.8069, 107.7891

Triad

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



40.5935, 59.8069, 77.1145



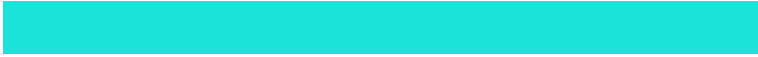
70.2573, 59.8069, 112.7729



62.6603, 59.8069, 26.5114

Complementary

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



40.5935, 59.8069, 77.1145



32.0700, 17.1166, 3.1289

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.



71.6775, 59.8069, 35.5230



40.5935, 59.8069, 77.1145



76.3930, 59.8069, 82.6038

Square

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



40.5935, 59.8069, 77.1145



60.8917, 59.8069, 131.9523



76.9403, 59.8069, 54.4378



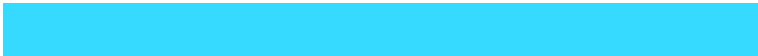
52.9811, 59.8069, 25.8123

Rectangle

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



40.5935, 59.8069, 77.1145



48.6634, 59.8069, 124.3357



76.9403, 59.8069, 54.4378



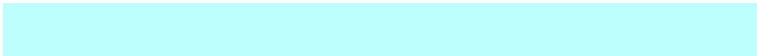
65.8950, 59.8069, 28.5194

Sweetspot

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



40.5953, 59.8091, 77.1159



74.4000, 89.3917, 106.2533



28.0876, 54.8293, 10.2029



15.4617, 18.8959, 22.6733



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.



40.5953, 59.8091, 77.1159



52.5901, 78.2521, 100.5463



22.6792, 22.6818, 75.1366



14.0977, 15.5648, 17.5496



22.8297, 33.9567, 43.6875



1.5882, 2.3560, 3.0584

Inverse Universe

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



32.0700, 17.1166, 3.1289



41.2824, 21.2769, 2.1530



38.3414, 29.7861, 4.8286



13.7240, 13.7072, 14.3167



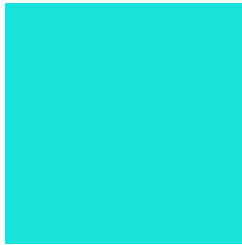
17.9224, 9.2360, 0.9913



1.2483, 0.6426, 0.1004

Previews

White Background



This preview shows how the XYZ color 40.5935, 59.8069, 77.1145 looks on a white background.

Color Contrast Check

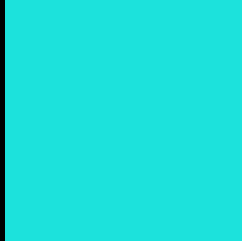
Large Text (above 18pt) WCAG AA × Fail

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 40.5935, 59.8069, 77.1145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

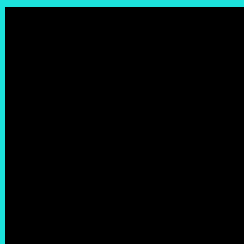
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

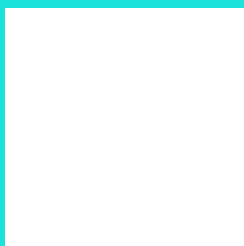
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5935, 59.8069, 77.1145

Background



This preview shows how black text looks on a background with the XYZ color 40.5935, 59.8069, 77.1145.

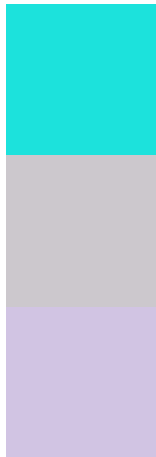


This preview shows how white text looks on a background with the XYZ color 40.5935, 59.8069,

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

40.5935, 59.8069, 77.1145

Protanopia

56.5756, 58.5537, 66.0777

Deuteranopia

59.8996, 58.5812, 80.8233



Tritanopia

43.7331, 59.8831, 92.4727

Trichromacy



Original Color

40.5935, 59.8069, 77.1145



Protanomaly

45.2485, 55.8295, 69.3641



Deuteranomaly

47.0951, 55.8471, 78.8184



Tritanomaly

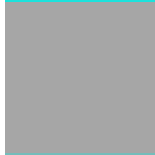
42.4023, 59.7300, 86.3850

Monochromacy



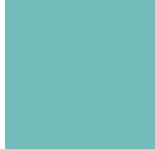
Original Color

40.5935, 59.8069, 77.1145



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.0486, 43.2246, 53.0030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5935, 59.8069, 77.1145 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(28, 226, 220)` looks like.

```
.text, #text, p{  
    color:rgb(28, 226, 220)  
}
```

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(28, 226, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 226, 220) }
```

Border

The CSS property to change the border of an element to XYZ 40.5935, 59.8069, 77.1145 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(28, 226, 220) }
```


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

```
.border{ border-color:rgb(28, 226, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 226, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 226, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 226, 220);  
box-shadow:4px 4px 4px 4px rgb(28, 226,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5935, 59.8069, 77.1145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 226, 220) }
```

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

```
.background{ background-color: rgb(28, 226,  
220) }
```

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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