

Converting Colors

XYZ(40.9174, 59.0528, 82.2111)

Have a look what the booklet for
XYZ(40.9174, 59.0528, 82.2111)
contains.

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Color

**XYZ(40.8741, 59.0395,
81.9145)**

Conversions

Conversions Part 1

Format	Color
Hex	17E0E3
RGB	23, 224, 227
RGB Percent	9%, 88%, 89%
CMY	0.9097, 0.1216, 0.1098
CMYK	0.90, 0.01, 0.00, 0.11
HSL	181°, 82%, 49%
HSV	181°, 90%, 89%
XYZ	40.8741, 59.0395, 81.9145
YIQ	164.2430, -120.7590, -41.6790

Conversions

Conversions Part 2

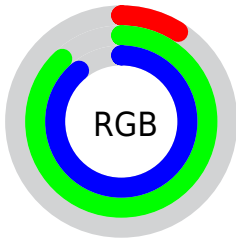
Format	Color
RYB	23, 124, 227
Decimal	1564899
CIELab	81.31, -42.05, -14.12
CIELCh	81, 44.356, 198.558
Yxy	59.0395, 0.2248, 0.3247
Android (android.graphics.Color)	4279754979 (0xFF17E0E3)
YUV	164.2430, 30.9392, -123.8701
Hunter-Lab	76.8372, -39.5106, -9.4218

Details

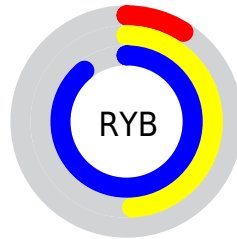
The XYZ color **40.8741, 59.0395, 81.9145** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.2040, 17.1332, 2.4219**, and the grayscale version is **35.3058, 37.1444, 40.4503**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **21.4490, 30.9838, 43.8797** is the 20% darker color. If you saturate the color by 10%, you get **40.4364, 58.6821, 81.8697**, and if you desaturate by 10%, it is **41.7263, 59.6133, 81.9814**.

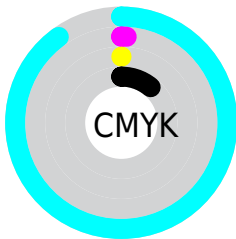
Distribution



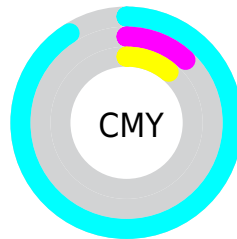
- Red (9%)
- Green (88%)
- Blue (89%)



- Red (9%)
- Yellow (49%)
- Blue (89%)



- Cyan (90%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8741, 59.0395, 81.9145 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 40.8741, 59.0395, 81.9145 by changing the saturation by 10% instead.

40.8741, 59.0395,
81.9145

40.8741, 59.0395,
81.9145

340.8657,
421.0483, 521.2376

28.4080, 42.6449,
60.7597

75.7687, 103.4351,
137.8897

18.7754, 29.6066,
43.6019

98.9278, 132.2048,
173.5471

11.6112, 19.5402,
30.0228

126.3819,
165.8685, 214.8759

6.5498, 12.0613,
19.6037

158.4965,
204.8104, 262.2944

3.2260, 6.7854,
11.9261

195.6368,
249.4149, 316.2213

1.2744, 3.3283,
6.5714

238.1682,

0.1639, 1.3054,

300.0665, 377.0751

3.1212

286.4560,
357.1495, 445.2744

■ 0.0000, 0.1454,
1.1569

■ 0.0000, 0.0000,
0.0000

■ 40.8741, 59.0395,
81.9145

■ 40.8741, 59.0395,
81.9145

■ 40.4364, 58.6821,
81.8697

■ 41.7263, 59.6133,
81.9814

■ 40.4309, 58.6774,
81.8691

■ 43.1156, 60.4631,
82.0722

■ 45.1190, 61.6297,
82.1918

■ 47.7995, 63.1456,
82.3431

■ 51.2124, 65.0393,
82.5288

■ 55.4072, 67.3364,
82.7511

■ 60.4293, 70.0602,
83.0121

■ 66.3204, 73.2323,
83.3139

■ 73.1196, 76.8727,
83.6582

Harmonies

Analogous

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



40.4128, 59.0395, 54.6915



40.8741, 59.0395, 81.9145



45.1382, 59.0395, 110.5780

Triad

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



40.8741, 59.0395, 81.9145



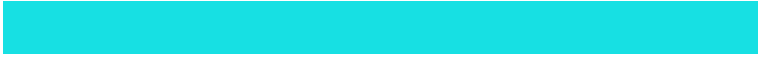
70.5462, 59.0395, 104.2769



59.7213, 59.0395, 26.1429

Complementary

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



40.8741, 59.0395, 81.9145



32.2040, 17.1332, 2.4219

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.



68.7417, 59.0395, 33.1386



40.8741, 59.0395, 81.9145



75.4347, 59.0395, 74.9372

Square

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



40.8741, 59.0395, 81.9145



61.9741, 59.0395, 125.7423



74.7401, 59.0395, 49.3842



50.6379, 59.0395, 27.0524

Rectangle

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



40.8741, 59.0395, 81.9145



49.8560, 59.0395, 124.3750



74.7401, 59.0395, 49.3842



62.8777, 59.0395, 27.5480

Sweetspot

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



40.8759, 59.0417, 81.9159



73.7741, 88.5539, 107.8120



27.9785, 55.1835, 9.9891



15.3425, 18.7102, 23.0527



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.



40.8759, 59.0417, 81.9159



52.6258, 76.3717, 106.5753



21.5550, 20.4000, 75.4756



14.7884, 16.2981, 18.5108



23.5872, 34.2366, 47.7483



1.7489, 2.5417, 3.5304

Inverse Universe

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



45.4410, 22.3271, 72.4378



58.6923, 28.2409, 93.8325



39.1696, 31.0644, 4.7438



14.9855, 14.6114, 18.1241



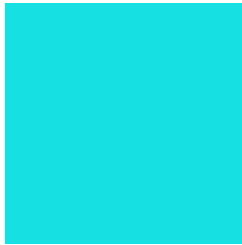
26.2993, 12.6539, 42.0664



1.9464, 0.9363, 3.1241

Previews

White Background



This preview shows how the XYZ color 40.8741, 59.0395, 81.9145 looks on a white background.

Color Contrast Check

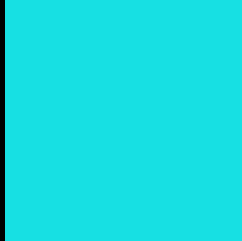
Large Text (above 18pt) WCAG AA × Fail

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 40.8741, 59.0395, 81.9145 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

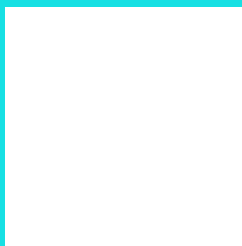
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8741, 59.0395, 81.9145

Background



This preview shows how black text looks on a background with the XYZ color 40.8741, 59.0395, 81.9145.



This preview shows how white text looks on a background with the XYZ color 40.8741, 59.0395,

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

40.8741, 59.0395, 81.9145

Protanopia

56.0007, 57.8294, 69.8386

Deuteranopia

59.1249, 57.7508, 85.1216



Tritanopia

42.8457, 59.0474, 91.5772

Trichromacy



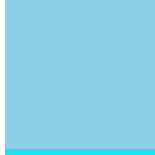
Original Color

40.8741, 59.0395, 81.9145



Protanomaly

45.2336, 55.3557, 73.9463



Deuteranomaly

46.9763, 55.3154, 83.8023



Tritanomaly

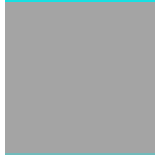
42.1106, 59.1486, 87.7946

Monochromacy



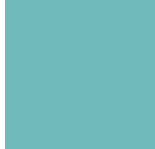
Original Color

40.8741, 59.0395, 81.9145



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.3386, 42.2164, 53.4052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8741, 59.0395, 81.9145 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(23, 224, 227)` looks like.

```
.text, #text, p{  
    color:rgb(23, 224, 227)  
}
```

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(23, 224, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 224, 227) }
```

Border

The CSS property to change the border of an element to XYZ 40.8741, 59.0395, 81.9145 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(23, 224, 227) }
```


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

```
.border{ border-color:rgb(23, 224, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 224, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 224, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 224, 227);  
box-shadow:4px 4px 4px 4px rgb(23, 224,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8741, 59.0395, 81.9145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 224, 227) }
```

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

```
.background{ background-color: rgb(23, 224,  
227) }
```

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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