

Converting Colors

XYZ(40.2426, 58.0068, 81.0378)

Have a look what the booklet for
XYZ(40.2426, 58.0068, 81.0378)
contains.

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Color

**XYZ(40.2021, 57.9157,
81.0115)**

Conversions

Conversions Part 1

Format	Color
Hex	17DEE2
RGB	23, 222, 226
RGB Percent	9%, 87%, 89%
CMY	0.9097, 0.1294, 0.1137
CMYK	0.90, 0.02, 0.00, 0.11
HSL	181°, 82%, 49%
HSV	181°, 90%, 89%
XYZ	40.2021, 57.9157, 81.0115
YIQ	162.9550, -119.8880, -40.9440

Conversions

Conversions Part 2

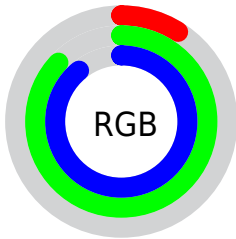
Format	Color
R _Y B	23, 123, 226
Decimal	1564386
CIE Lab	80.69, -41.45, -14.52
CIE LCh	81, 43.920, 199.302
Yxy	57.9157, 0.2244, 0.3233
Android (android.graphics.Color)	4279754466 (0xFF17DEE2)
YUV	162.9550, 31.0812, -122.7405
Hunter-Lab	76.1024, -38.8841, -9.8430

Details

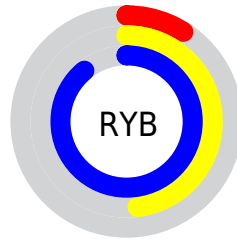
The XYZ color **40.2021, 57.9157, 81.0115** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.9121, 17.0162, 2.4148**, and the grayscale version is **34.6952, 36.5020, 39.7507**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **20.9869, 30.2127, 43.2536** is the 20% darker color. If you saturate the color by 10%, you get **39.7371, 57.5019, 80.9572**, and if you desaturate by 10%, it is **41.0784, 58.5445, 81.0878**.

Distribution



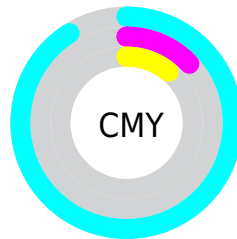
- Red (9%)
- Green (87%)
- Blue (89%)



- Red (9%)
- Yellow (48%)
- Blue (89%)



- Cyan (90%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2021, 57.9157, 81.0115 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 40.2021, 57.9157, 81.0115 by changing the saturation by 10% instead.

40.2021, 57.9157,
81.0115

40.2021, 57.9157,
81.0115

338.0945,
416.8717, 518.1315

27.8811, 41.7409,
60.0200

74.7535, 101.8001,
136.6111

18.3760, 28.8984,
43.0094

97.7147, 130.2784,
172.0564

11.3216, 19.0040,
29.5610

124.9532,
163.6268, 213.1566

6.3525, 11.6732,
19.2564

156.8345,
202.2295, 260.3303

3.1033, 6.5215,
11.6770

193.7239,
246.4709, 313.9962

1.2086, 3.1647,
6.4043

235.9868,

0.1131, 1.2183,

296.7355, 374.5726

3.0197

283.9886,
353.4077, 442.4782

■ 0.0000, 0.0766,
1.1047

■ 0.0000, 0.0000,
0.0000

■ 40.2021, 57.9157,
81.0115

■ 40.2021, 57.9157,
81.0115

■ 39.7371, 57.5019,
80.9572

■ 41.0784, 58.5445,
81.0878

■ 39.7294, 57.4946,
80.9562

■ 42.4870, 59.4469,
81.1877

■ 44.5038, 60.6633,
81.3162

■ 47.1911, 62.2258,
81.4761

■ 50.6036, 64.1626,
81.6701

■ 54.7903, 66.4990,
81.9004

■ 59.7959, 69.2581,
82.1692

■ 65.6619, 72.4612,
82.4783

■ 72.4268, 76.1281,
82.8295

Harmonies

Analogous

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



39.6565, 57.9157, 54.2539



40.2021, 57.9157, 81.0115



44.4613, 57.9157, 108.8970

Triad

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



40.2021, 57.9157, 81.0115



69.3234, 57.9157, 101.4619



58.3411, 57.9157, 25.6706

Complementary

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



40.2021, 57.9157, 81.0115



31.9121, 17.0162, 2.4148

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.



67.1924, 57.9157, 32.3186



40.2021, 57.9157, 81.0115



73.9792, 57.9157, 72.7717

Square

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



40.2021, 57.9157, 81.0115



61.0024, 57.9157, 122.7636



73.1592, 57.9157, 47.9786



49.4927, 57.9157, 26.7484

Rectangle

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



40.2021, 57.9157, 81.0115



49.1227, 57.9157, 122.1176



73.1592, 57.9157, 47.9786



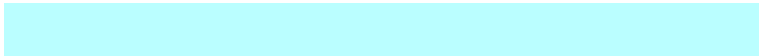
61.4298, 57.9157, 26.9834

Sweetspot

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



40.2039, 57.9178, 81.0129



73.6650, 88.3356, 107.7757



27.7420, 54.6525, 10.0886



15.3162, 18.6576, 23.0440



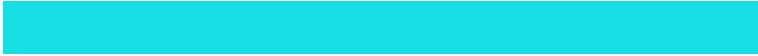
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2039, 57.9178, 81.0129



52.2284, 75.5767, 106.4428



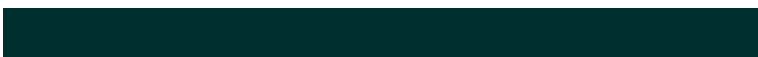
20.9354, 19.3809, 74.5901



14.0922, 15.5236, 17.6413



22.6763, 32.8222, 46.1885



1.5793, 2.2900, 3.2040

Inverse Universe

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



44.8568, 22.0571, 71.0027



58.4917, 28.1607, 92.7760



39.2255, 31.6431, 4.8526



14.2828, 13.9307, 17.2592



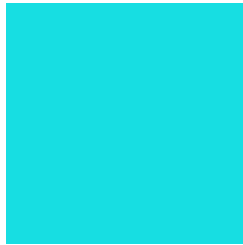
25.3862, 12.2215, 40.2948



1.7634, 0.8486, 2.8129

Previews

White Background



This preview shows how the XYZ color 40.2021, 57.9157, 81.0115 looks on a white background.

Color Contrast Check

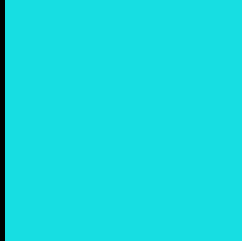
Large Text (above 18pt) WCAG AA × Fail

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 40.2021, 57.9157, 81.0115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

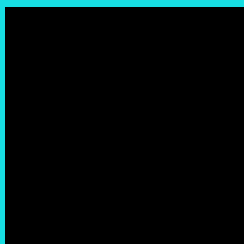
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

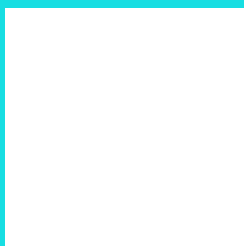
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2021, 57.9157, 81.0115

Background



This preview shows how black text looks on a background with the XYZ color 40.2021, 57.9157, 81.0115.



This preview shows how white text looks on a background with the XYZ color 40.2021, 57.9157,

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

40.2021, 57.9157, 81.0115

Protanopia

55.2773, 56.7778, 69.6738

Deuteranopia

58.2144, 56.9663, 84.2713



Tritanopia

41.9807, 57.8517, 89.8428

Trichromacy



Original Color

40.2021, 57.9157, 81.0115



Protanomaly

44.4577, 54.2514, 73.0941



Deuteranomaly

46.1923, 54.2173, 82.8933



Tritanomaly

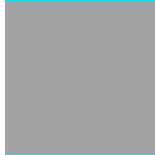
41.4009, 58.0107, 86.8570

Monochromacy



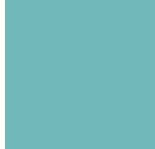
Original Color

40.2021, 57.9157, 81.0115



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.6855, 41.2709, 52.6977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2021, 57.9157, 81.0115 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, 222, 226)` looks like.

```
.text, #text, p{  
    color:rgb(23, 222, 226)  
}
```

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, 222, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 222, 226) }
```

Border

The CSS property to change the border of an element to XYZ 40.2021, 57.9157, 81.0115 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, 222, 226) }
```


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

```
.border{ border-color:rgb(23, 222, 226) }
```

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

Here you see how a box with a 4 pixel rgb(23, 222, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 222, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 222, 226);  
box-shadow:4px 4px 4px 4px rgb(23, 222,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2021, 57.9157, 81.0115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 222, 226) }
```

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

```
.background{ background-color: rgb(23, 222,  
226) }
```

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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