

Converting Colors

XYZ(38.4675, 57.0093, 84.4360)

Have a look what the booklet for
XYZ(38.4675, 57.0093, 84.4360)
contains.

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Color

**XYZ(40.5451, 58.0121,
84.6618)**

Conversions

Conversions Part 1

Format	Color
Hex	00DEE7
RGB	0, 222, 231
RGB Percent	0%, 87%, 91%
CMY	0.9998, 0.1294, 0.0941
CMYK	1.00, 0.04, 0.00, 0.09
HSL	182°, 100%, 45%
HSV	182°, 100%, 91%
XYZ	40.5451, 58.0121, 84.6618
YIQ	156.6480, -135.2010, -44.2650

Conversions

Conversions Part 2

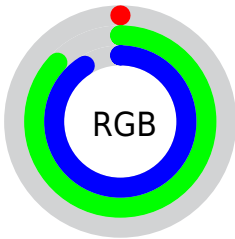
Format	Color
RYB	0, 113, 231
Decimal	57063
CIELab	80.75, -40.62, -17.11
CIELCh	81, 44.073, 202.840
Yxy	58.0121, 0.2213, 0.3166
Android (android.graphics.Color)	4278247143 (0xFF00DEE7)
YUV	156.6480, 36.6555, -137.3803
Hunter-Lab	76.1657, -38.2694, -12.5877

Details

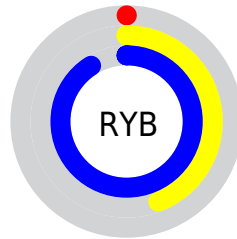
The XYZ color **40.5451, 58.0121, 84.6618** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.0541, 17.1860, 1.5769**, and the grayscale version is **31.7830, 33.4382, 36.4141**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.3741, 30.3676, 45.2924** is the 20% darker color. If you saturate the color by 10%, you get **40.5455, 58.0125, 84.6630**, and if you desaturate by 10%, it is **41.1429, 58.6773, 84.7598**.

Distribution



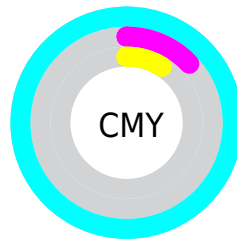
- Red (0%)
- Green (87%)
- Blue (91%)



- Red (0%)
- Yellow (44%)
- Blue (91%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5451, 58.0121, 84.6618 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 40.5451, 58.0121, 84.6618 by changing the saturation by 10% instead.

40.5451, 58.0121,
84.6618

40.5451, 58.0121,
84.6618

339.5109,
417.2310, 530.6237

28.1499, 41.8184,
63.0134

75.2719, 101.9405,
141.7705

18.5797, 28.9591,
45.4110

98.3343, 130.4439,
178.0680

11.4692, 19.0499,
31.4360

125.6831,
163.8194, 220.0855

6.4530, 11.7063,
20.6698

157.6836,
202.4513, 268.2417

3.1657, 6.5440,
12.6940

194.7014,
246.7240, 322.9551

1.2420, 3.1786,
7.0899

237.1016,

0.1391, 1.2257,

297.0219, 384.6442

3.4391

285.2496,
353.7295, 453.7275

■ 0.0000, 0.0825,
1.3230

■ 0.0000, 0.0000,
0.0805

■ 40.5451, 58.0121,
84.6618

■ 40.5451, 58.0121,
84.6618

■ 40.5455, 58.0125,
84.6630

■ 41.1429, 58.6773,
84.7598

■ 42.1654, 59.5622,
84.8767

■ 43.7491, 60.7383,
85.0202

■ 45.9726, 62.2461,
85.1941

■ 48.9019, 64.1197,
85.4013

■ 52.5948, 66.3888,
85.6447

■ 57.1032, 69.0802,
85.9265

■ 62.4743, 72.2183,
86.2492

■ 68.7518, 75.8256,
86.6146

Harmonies

Analogous

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



39.5477, 58.0121, 57.1279



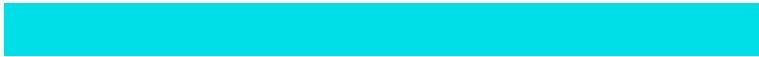
40.5451, 58.0121, 84.6618



45.2382, 58.0121, 112.0608

Triad

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



40.5451, 58.0121, 84.6618



70.2783, 58.0121, 98.4933



57.3466, 58.0121, 25.3721

Complementary

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



40.5451, 58.0121, 84.6618



33.0541, 17.1860, 1.5769

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.



66.3877, 58.0121, 31.0750



40.5451, 58.0121, 84.6618



74.3680, 58.0121, 69.6137

Square

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



40.5451, 58.0121, 84.6618



62.2071, 58.0121, 121.4575



72.8712, 58.0121, 45.6554



48.6272, 58.0121, 27.3459

Rectangle

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



40.5451, 58.0121, 84.6618



50.1398, 58.0121, 124.1006



72.8712, 58.0121, 45.6554



60.4594, 58.0121, 26.3862

Sweetspot

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



40.5469, 58.0142, 84.6632



71.3415, 86.3771, 107.5201



28.6196, 57.1700, 9.7494



14.7325, 18.1694, 22.9805



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.



40.5469, 58.0142, 84.6632



50.7218, 72.5637, 105.9406



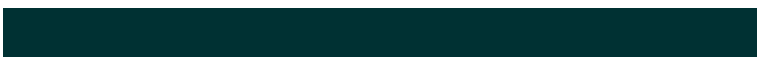
19.7698, 16.4601, 77.7375



14.7568, 16.2350, 18.5002



22.7523, 32.5666, 47.4700



1.6964, 2.4367, 3.5129

Inverse Universe

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



46.1414, 22.2646, 70.9750



57.7312, 27.8565, 88.7717



40.0673, 31.2123, 3.9146



14.9696, 14.6050, 18.0402



25.8778, 12.4853, 39.8470



1.9199, 0.9257, 2.9846

Previews

White Background



This preview shows how the XYZ color 40.5451, 58.0121, 84.6618 looks on a white background.

Color Contrast Check

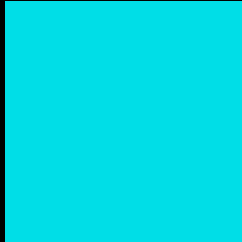
Large Text (above 18pt) WCAG AA × Fail

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 40.5451, 58.0121, 84.6618 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

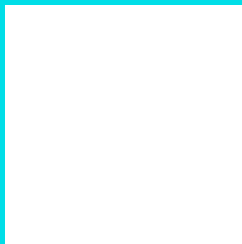
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5451, 58.0121, 84.6618

Background



This preview shows how black text looks on a background with the XYZ color 40.5451, 58.0121, 84.6618.

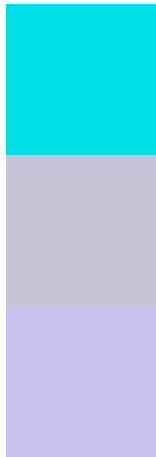


This preview shows how white text looks on a background with the XYZ color 40.5451, 58.0121,

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

40.5451, 58.0121, 84.6618

Protanopia

55.2580, 56.7091, 72.3235

Deuteranopia

58.1310, 56.8401, 88.0282



Tritanopia

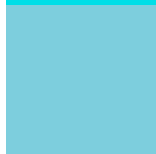
41.9719, 58.2209, 90.6870

Trichromacy



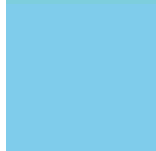
Original Color

40.5451, 58.0121, 84.6618



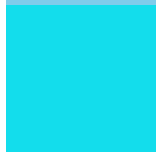
Protanomaly

43.5799, 53.7230, 76.4793



Deuteranomaly

45.3407, 53.6959, 86.5719



Tritanomaly

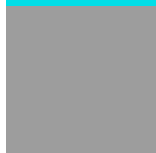
41.2653, 57.9075, 88.3592

Monochromacy



Original Color

40.5451, 58.0121, 84.6618



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.4311, 39.2178, 51.3133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5451, 58.0121, 84.6618 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, 222, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 231)  
}
```

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, 222, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 231) }
```

Border

The CSS property to change the border of an element to XYZ 40.5451, 58.0121, 84.6618 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, 222, 231) }
```


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

```
.border{ border-color:rgb(0, 222, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5451, 58.0121, 84.6618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 231) }
```

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

```
.background{ background-color: rgb(0, 222,  
231) }
```

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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