

Converting Colors

XYZ(40.2170, 58.8266, 79.8816)

Have a look what the booklet for
XYZ(40.2170, 58.8266, 79.8816)
contains.

XYZ(40.1352, 58.7060, 79.7371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.1352, 58.7060,
79.7371)**

Conversions

Conversions Part 1

Format	Color
Hex	02E0E0
RGB	2, 224, 224
RGB Percent	1%, 88%, 88%
CMY	0.9919, 0.1216, 0.1216
CMYK	0.99, 0.00, 0.00, 0.12
HSL	180°, 98%, 44%
HSV	180°, 99%, 88%
XYZ	40.1352, 58.7060, 79.7371
YIQ	157.6220, -132.3120, -47.0640

Conversions

Conversions Part 2

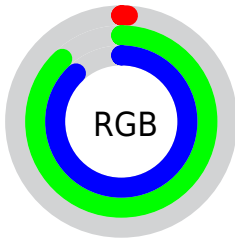
Format	Color
RYB	2, 113, 224
Decimal	188640
CIELab	81.13, -43.55, -12.81
CIELCh	81, 45.391, 196.389
Yxy	58.7060, 0.2247, 0.3287
Android (android.graphics.Color)	4278378720 (0xFF02E0E0)
YUV	157.6220, 32.7244, -136.4805
Hunter-Lab	76.6198, -40.5824, -8.0683

Details

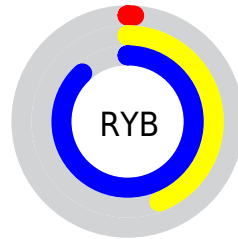
The XYZ color **40.1352, 58.7060, 79.7371** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **30.7750, 15.8969, 1.5054**, and the grayscale version is **32.2358, 33.9146, 36.9330**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.1641, 30.8698, 42.3791** is the 20% darker color. If you saturate the color by 10%, you get **40.1113, 58.6949, 79.7373**, and if you desaturate by 10%, it is **40.4989, 58.8947, 79.7556**.

Distribution



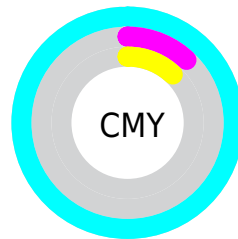
- Red (1%)
- Green (88%)
- Blue (88%)



- Red (1%)
- Yellow (44%)
- Blue (88%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (99%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1352, 58.7060, 79.7371 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 40.1352, 58.7060, 79.7371 by changing the saturation by 10% instead.

40.1352, 58.7060,
79.7371

40.1352, 58.7060,
79.7371

337.8177,
419.8115, 513.7298

27.8287, 42.3765,
58.9771

74.6524, 102.9502,
134.8041

18.3363, 29.3962,
42.1748

97.5937, 131.6338,
169.9482

11.2929, 19.3808,
28.9116

124.8107,
165.2041, 210.7242

6.3329, 11.9457,
18.7690

156.6687,
204.0456, 257.5504

3.0911, 6.7067,
11.3283

193.5330,
248.5427, 310.8456

1.2021, 3.2794,
6.1712

235.7691,

0.1081, 1.2793,

299.0798, 371.0282

2.8790

283.7422,
356.0413, 438.5167

■ 0.0000, 0.1251,
1.0332

■ 0.0000, 0.0000,
0.0000

■ 40.1352, 58.7060,
79.7371

■ 40.1352, 58.7060,
79.7371

■ 40.1113, 58.6949,
79.7373

■ 40.4989, 58.8947,
79.7556

■ 41.2769, 59.2958,
79.7921

■ 42.5837, 59.9695,
79.8534

■ 44.4906, 60.9526,
79.9427

■ 47.0581, 62.2761,
80.0630

■ 50.3390, 63.9675,
80.2166

■ 54.3810, 66.0512,
80.4059

■ 59.2277, 68.5498,
80.6329

■ 64.9194, 71.4839,
80.8993

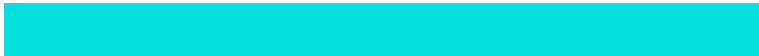
Harmonies

Analogous

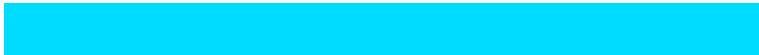
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.9526, 58.7060, 52.4532



40.1352, 58.7060, 79.7371



44.1929, 58.7060, 109.4231

Triad

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



40.1352, 58.7060, 79.7371



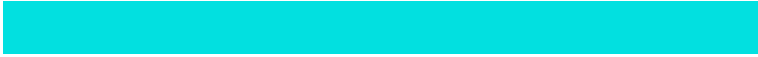
69.9973, 58.7060, 106.8922



60.1790, 58.7060, 25.5432

Complementary

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



40.1352, 58.7060, 79.7371



30.7750, 15.8969, 1.5054

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.



69.2759, 58.7060, 33.1898



40.1352, 58.7060, 79.7371



75.3614, 58.7060, 76.9488

Square

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



40.1352, 58.7060, 79.7371



61.0775, 58.7060, 127.8759



75.0834, 58.7060, 50.3479



50.8324, 58.7060, 25.8987

Rectangle

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



40.1352, 58.7060, 79.7371



48.8405, 58.7060, 124.3540



75.0834, 58.7060, 50.3479



63.3874, 58.7060, 27.1442

Sweetspot

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



40.1370, 58.7082, 79.7385



72.2850, 88.2642, 107.8342



26.7398, 53.3546, 8.9481



14.9625, 18.6295, 23.0571



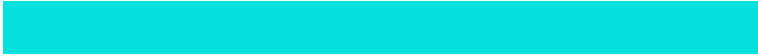
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.1370, 58.7082, 79.7385



53.8097, 78.7399, 106.9685



19.8103, 18.0545, 72.9640



14.1166, 15.5724, 17.6494



23.3469, 34.1636, 46.4114



1.6183, 2.3680, 3.2170

Inverse Universe

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



30.7750, 15.8969, 1.5054



41.2400, 21.2600, 1.9301



36.2566, 26.8600, 3.3326



13.7073, 13.7006, 14.2288



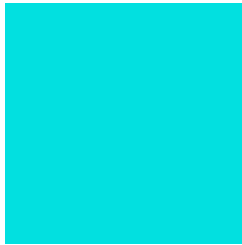
17.8932, 9.2243, 0.8374



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 40.1352, 58.7060, 79.7371 looks on a white background.

Color Contrast Check

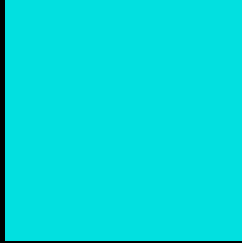
Large Text (above 18pt) WCAG AA × Fail

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 40.1352, 58.7060, 79.7371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

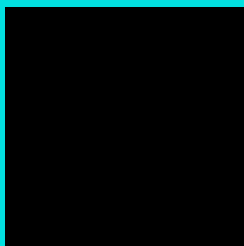
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

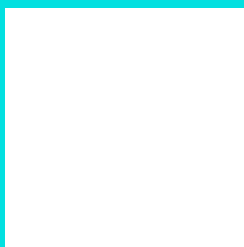
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1352, 58.7060, 79.7371

Background



This preview shows how black text looks on a background with the XYZ color 40.1352, 58.7060, 79.7371.

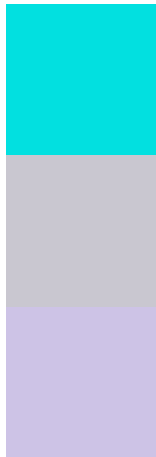


This preview shows how white text looks on a background with the XYZ color 40.1352, 58.7060,

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

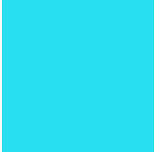
40.1352, 58.7060, 79.7371

Protanopia

55.8960, 57.8184, 67.8885

Deuteranopia

58.9749, 57.7225, 82.8962



Tritanopia

42.7639, 59.0052, 91.5733

Trichromacy



Original Color

40.1352, 58.7060, 79.7371



Protanomaly

43.7467, 54.6339, 71.8580



Deuteranomaly

45.4350, 54.5693, 81.5370



Tritanomaly

41.6910, 58.9489, 87.0228

Monochromacy



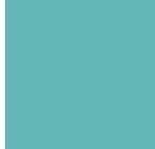
Original Color

40.1352, 58.7060, 79.7371



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 40.1352, 58.7060, 79.7371 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(2, 224, 224)` looks like.

```
.text, #text, p{  
    color:rgb(2, 224, 224)  
}
```

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(2, 224, 224) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 40.1352, 58.7060, 79.7371 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(2, 224, 224) }
```


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

```
.border{ border-color:rgb(2, 224, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 224, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 224, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 224, 224);  
box-shadow:4px 4px 4px 4px rgb(2, 224,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1352, 58.7060, 79.7371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 224, 224) }
```

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

```
.background{ background-color: rgb(2, 224,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor