

Converting Colors

XYZ(40.8760, 60.2791, 79.8239)

Have a look what the booklet for
XYZ(40.8760, 60.2791, 79.8239)
contains.

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Color

**XYZ(40.9236, 60.3200,
80.0070)**

Conversions

Conversions Part 1

Format	Color
Hex	00E3E0
RGB	0, 227, 224
RGB Percent	0%, 89%, 88%
CMY	0.9998, 0.1098, 0.1216
CMYK	1.00, 0.00, 0.01, 0.11
HSL	179°, 100%, 45%
HSV	179°, 100%, 89%
XYZ	40.9236, 60.3200, 80.0070
YIQ	158.7850, -134.3290, -49.0570

Conversions

Conversions Part 2

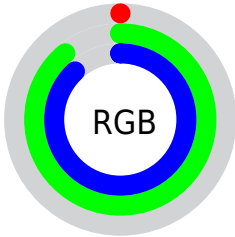
Format	Color
RYB	0, 114, 227
Decimal	58336
CIELab	82.01, -44.91, -11.49
CIELCh	82, 46.355, 194.352
Yxy	60.3200, 0.2258, 0.3328
Android (android.graphics.Color)	4278248416 (0xFF00E3E0)
YUV	158.7850, 32.1510, -139.2544
Hunter-Lab	77.6660, -41.8605, -6.7110

Details

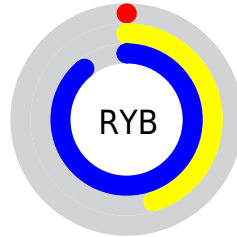
The XYZ color **40.9236, 60.3200, 80.0070** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.6969, 16.3393, 1.5709**, and the grayscale version is **32.7663, 34.4727, 37.5408**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.7243, 31.9904, 42.5659** is the 20% darker color. If you saturate the color by 10%, you get **40.9247, 60.3219, 80.0079**, and if you desaturate by 10%, it is **41.3133, 60.5175, 80.2394**.

Distribution



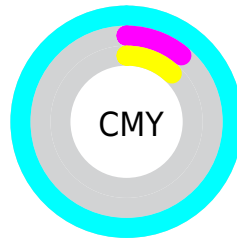
- Red (0%)
- Green (89%)
- Blue (88%)



- Red (0%)
- Yellow (45%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9236, 60.3200, 80.0070 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 40.9236, 60.3200, 80.0070 by changing the saturation by 10% instead.


 40.9236, 60.3200,
80.0070


 40.9236, 60.3200,
80.0070


341.0692,
425.7763, 514.6638


 28.4468, 43.6766,
59.1979


 75.8433, 105.2937,
135.1871


 18.8049, 30.4164,
42.3514


 99.0170, 134.3929,
170.3951


 11.6326, 20.1548,
29.0489


 126.4870,
168.4127, 211.2399

 6.5644, 12.5076,
18.8719

 158.6186,
207.7376, 258.1400

 3.2351, 7.0904,
11.4019

 195.7773,
252.7521, 311.5139

 1.2793, 3.5187,
6.2203

238.3284,

 0.1676, 1.4082,

303.8404, 371.7801

2.9085

286.6373,
361.3870, 439.3572

■ 0.0000, 0.2227,
1.0481

■ 0.0000, 0.0000,
0.0000

■ 40.9236, 60.3200,
80.0070

■ 40.9236, 60.3200,
80.0070

■ 40.9247, 60.3219,
80.0079

■ 41.3133, 60.5175,
80.2394

■ 42.1086, 60.9228,
80.4898

■ 43.4420, 61.6054,
80.7657

■ 45.3883, 62.6041,
81.0707

■ 48.0110, 63.9514,
81.4077

■ 51.3653, 65.6758,
81.7794

■ 55.5010, 67.8031,
82.1879

■ 60.4632, 70.3564,
82.6356

■ 66.2939, 73.3575,
83.1242

Harmonies

Analogous

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



41.0120, 60.3200, 52.1515



40.9236, 60.3200, 80.0070



44.8685, 60.3200, 111.1702

Triad

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



40.9236, 60.3200, 80.0070



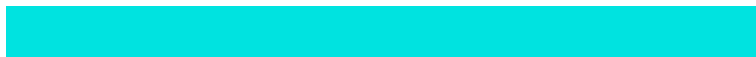
71.5631, 60.3200, 112.4034



62.5750, 60.3200, 26.1697

Complementary

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



40.9236, 60.3200, 80.0070



31.6969, 16.3393, 1.5709

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.



71.9138, 60.3200, 34.6770



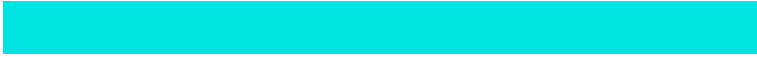
40.9236, 60.3200, 80.0070



77.4930, 60.3200, 81.3624

Square

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



40.9236, 60.3200, 80.0070



62.1386, 60.3200, 133.1887



77.6282, 60.3200, 53.1713



52.7805, 60.3200, 25.9986

Rectangle

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



40.9236, 60.3200, 80.0070



49.5453, 60.3200, 127.4433



77.6282, 60.3200, 53.1713



65.8953, 60.3200, 28.0102

Sweetspot

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



40.9254, 60.3222, 80.0085



72.1225, 88.1992, 106.9789



27.5183, 54.9649, 9.1605



14.9229, 18.6137, 22.8484



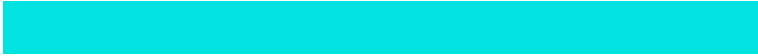
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.9254, 60.3222, 80.0085



53.2716, 78.5247, 104.1351



20.2638, 18.3417, 75.1478



14.7988, 16.3330, 18.4713



23.8703, 35.1802, 46.6788



1.7666, 2.6008, 3.4634

Inverse Universe

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



31.6969, 16.3393, 1.5709



41.2585, 21.2674, 2.0273



37.2285, 27.4287, 3.3336



14.3847, 14.3711, 14.9603



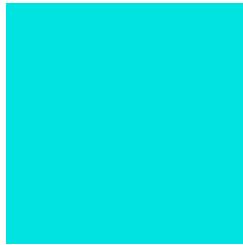
18.4880, 9.5294, 0.9327



1.3689, 0.7053, 0.0834

Previews

White Background



This preview shows how the XYZ color 40.9236, 60.3200, 80.0070 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 40.9236, 60.3200, 80.0070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

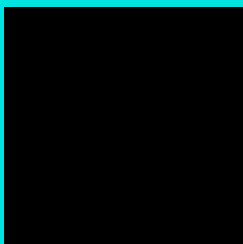
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

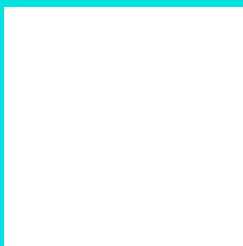
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9236, 60.3200, 80.0070

Background



This preview shows how black text looks on a background with the XYZ color 40.9236, 60.3200, 80.0070.



This preview shows how white text looks on a background with the XYZ color 40.9236, 60.3200,

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

40.9236, 60.3200, 80.0070

Protanopia

57.1736, 59.1647, 68.0811

Deuteranopia

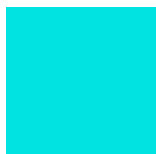
60.6846, 59.2573, 83.8407



Tritanopia

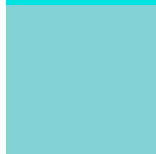
43.7214, 60.2576, 93.3309

Trichromacy



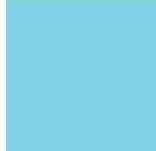
Original Color

40.9236, 60.3200, 80.0070



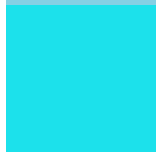
Protanomaly

44.3901, 55.6941, 72.0287



Deuteranomaly

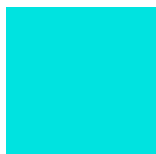
46.2323, 55.6997, 81.7132



Tritanomaly

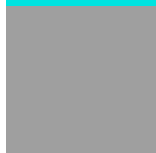
42.3995, 60.0955, 87.9622

Monochromacy



Original Color

40.9236, 60.3200, 80.0070



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.0546, 40.4666, 50.9738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9236, 60.3200, 80.0070 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, 227, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 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(0, 227, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 224) }
```

Border

The CSS property to change the border of an element to XYZ 40.9236, 60.3200, 80.0070 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, 227, 224) }
```


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

```
.border{ border-color:rgb(0, 227, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 227, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9236, 60.3200, 80.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 224) }
```

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

```
.background{ background-color: rgb(0, 227,  
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](#).

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