

Converting Colors

XYZ(40.2553, 63.4524, 66.0069)

Have a look what the booklet for
XYZ(40.2553, 63.4524, 66.0069)
contains.

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Color

**XYZ(40.3690, 63.6809,
66.0411)**

Conversions

Conversions Part 1

Format	Color
Hex	00EBCA
RGB	0, 235, 202
RGB Percent	0%, 92%, 79%
CMY	0.9998, 0.0784, 0.2078
CMYK	1.00, 0.00, 0.14, 0.08
HSL	172°, 100%, 46%
HSV	172°, 100%, 92%
XYZ	40.3690, 63.6809, 66.0411
YIQ	160.9730, -129.4670, -60.0830

Conversions

Conversions Part 2

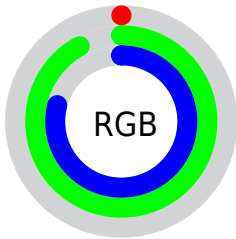
Format	Color
RYB	0, 126, 235
Decimal	60362
CIELab	83.80, -54.33, 2.77
CIELCh	84, 54.397, 177.080
Yxy	63.6809, 0.2373, 0.3744
Android (android.graphics.Color)	4278250442 (0xFF00EBCA)
YUV	160.9730, 20.2263, -141.1733
Hunter-Lab	79.8003, -49.3518, 6.7930

Details

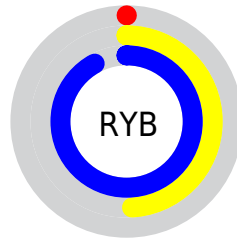
The XYZ color **40.3690, 63.6809, 66.0411** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **34.5378, 17.7739, 3.0527**, and the grayscale version is **33.8230, 35.5844, 38.7514**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **21.2657, 33.9789, 33.4547** is the 20% darker color. If you saturate the color by 10%, you get **40.3695, 63.6827, 66.0385**, and if you desaturate by 10%, it is **41.1314, 64.0298, 68.1405**.

Distribution



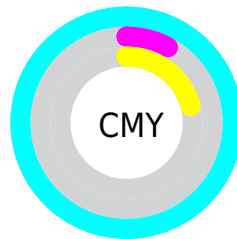
- Red (0%)
- Green (92%)
- Blue (79%)



- Red (0%)
- Yellow (49%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3690, 63.6809, 66.0411 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 40.3690, 63.6809, 66.0411 by changing the saturation by 10% instead.


 40.3690, 63.6809,
66.0411


 40.3690, 63.6809,
66.0411


338.7842,
438.0364, 464.9321


 28.0119, 46.3923,
47.8491


 75.0059, 110.1513,
115.1729

 18.4751, 32.5555,
33.3482


 98.0163, 140.1018,
146.9497


 11.3934, 21.7861,
22.1201


 125.3085,
175.0417, 184.0919

 6.4013, 13.6998,
13.7460

 157.2479,
215.3554, 227.0180

 3.1336, 7.9122,
7.8075

 194.1998,
261.4274, 276.1465

 1.2248, 4.0388,
3.8860

236.5296,

 0.1258, 1.6953,

313.6419, 331.8960

1.5630

284.6026,
372.3835, 394.6850

■ 0.0000, 0.4206,
0.2642

■ 0.0000, 0.0000,
0.0000

■ 40.3690, 63.6809,
66.0411

■ 40.3690, 63.6809,
66.0411

■ 40.3695, 63.6827,
66.0385

■ 41.1314, 64.0298,
68.1405

■ 42.3434, 64.6080,
70.3034

■ 44.1464, 65.4899,
72.5381

■ 46.6225, 66.7177,
74.8488

■ 49.8406, 68.3272,
77.2389

■ 53.8610, 70.3492,
79.7115

■ 58.7380, 72.8118,
82.2694

■ 64.5209, 75.7405,
84.9152

■ 71.2553, 79.1586,
87.6511

Harmonies

Analogous

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



43.2256, 63.6809, 39.3873



40.3690, 63.6809, 66.0411



42.2977, 63.6809, 103.7890

Triad

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



40.3690, 63.6809, 66.0411



71.5930, 63.6809, 145.9170



73.8831, 63.6809, 27.4895

Complementary

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



40.3690, 63.6809, 66.0411



34.5378, 17.7739, 3.0527

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.



83.3597, 63.6809, 43.5030



40.3690, 63.6809, 66.0411



81.9200, 63.6809, 111.5689

Square

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



40.3690, 63.6809, 66.0411



59.3645, 63.6809, 157.9309



86.4768, 63.6809, 72.7422



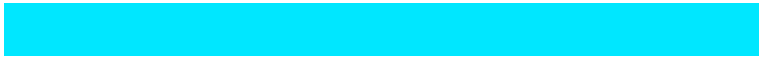
61.7041, 63.6809, 22.2155

Rectangle

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



40.3690, 63.6809, 66.0411



46.1981, 63.6809, 129.5036



86.4768, 63.6809, 72.7422



77.5485, 63.6809, 31.4692

Sweetspot

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



40.3708, 63.6833, 66.0426



70.6029, 87.5914, 98.9767



30.4126, 59.7812, 9.9374



14.5535, 18.4660, 20.9034



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.



40.3708, 63.6833, 66.0426



48.5703, 76.6441, 79.3782



26.3499, 28.7054, 82.7519



15.4214, 17.0834, 18.9018



22.5027, 35.4555, 36.9416



1.7920, 2.7941, 3.0326

Inverse Universe

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



34.5378, 17.7739, 3.0527



41.5556, 21.3863, 3.5922



37.3009, 23.7400, 2.6176



15.1516, 15.0885, 16.0838



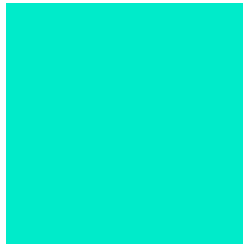
19.2479, 9.9019, 1.8410



1.5385, 0.7884, 0.2871

Previews

White Background



This preview shows how the XYZ color 40.3690, 63.6809, 66.0411 looks on a white background.

Color Contrast Check

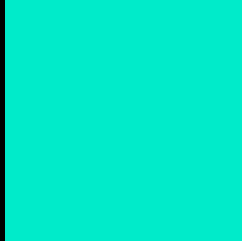
Large Text (above 18pt) WCAG AA × Fail

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 40.3690, 63.6809, 66.0411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

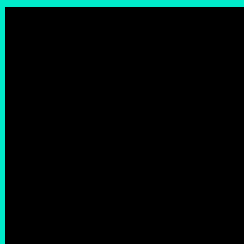
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

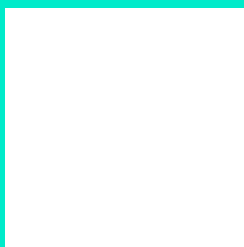
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3690, 63.6809, 66.0411

Background



This preview shows how black text looks on a background with the XYZ color 40.3690, 63.6809, 66.0411.



This preview shows how white text looks on a background with the XYZ color 40.3690, 63.6809,

Color Blindness Simulation

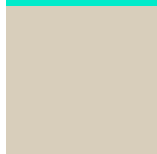
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.3690, 63.6809, 66.0411



Protanopia

59.3598, 62.3294, 55.9159



Deuteranopia

63.8835, 62.5952, 69.6878



Tritanopia

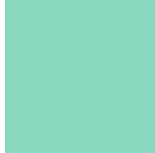
46.9878, 63.8778, 97.8488

Trichromacy



Original Color

40.3690, 63.6809, 66.0411



Protanomaly

44.6438, 58.7498, 58.8560



Deuteranomaly

46.5583, 58.0228, 67.7771



Tritanomaly

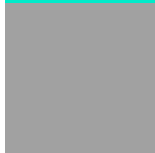
43.9142, 63.3928, 85.5228

Monochromacy



Original Color

40.3690, 63.6809, 66.0411



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.2992, 41.9258, 47.5171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3690, 63.6809, 66.0411 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, 235, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 202)  
}
```

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, 235, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 202) }
```

Border

The CSS property to change the border of an element to XYZ 40.3690, 63.6809, 66.0411 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, 235, 202) }
```


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

```
.border{ border-color:rgb(0, 235, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3690, 63.6809, 66.0411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 202) }
```

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

```
.background{ background-color: rgb(0, 235,  
202) }
```

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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