

Converting Colors

XYZ(40.4215, 65.8832, 59.5895)

Have a look what the booklet for
XYZ(40.4215, 65.8832, 59.5895)
contains.

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Color

**XYZ(40.5641, 66.0818,
59.9073)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0BF
RGB	0, 240, 191
RGB Percent	0%, 94%, 75%
CMY	0.9998, 0.0588, 0.2510
CMYK	1.00, 0.00, 0.20, 0.06
HSL	168°, 100%, 47%
HSV	168°, 100%, 94%
XYZ	40.5641, 66.0818, 59.9073
YIQ	162.6540, -127.3110, -66.1190

Conversions

Conversions Part 2

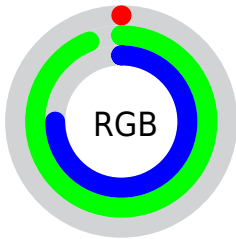
Format	Color
RYB	0, 134, 240
Decimal	61631
CIELab	85.04, -59.06, 10.32
CIELCh	85, 59.956, 170.089
Yxy	66.0818, 0.2436, 0.3968
Android (android.graphics.Color)	4278251711 (0xFF00F0BF)
YUV	162.6540, 13.9746, -142.6476
Hunter-Lab	81.2907, -53.1872, 13.2097

Details

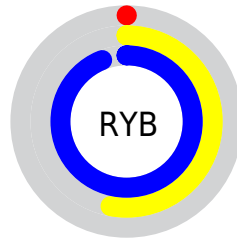
The XYZ color **40.5641, 66.0818, 59.9073** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **36.4923, 18.7490, 4.6062**, and the grayscale version is **34.6357, 36.4395, 39.6826**.

A 20% lighter version of the original color is **59.3586, 81.7461, 100.6457**, and **21.5209, 35.7020, 29.8017** is the 20% darker color. If you saturate the color by 10%, you get **40.5644, 66.0837, 59.9038**, and if you desaturate by 10%, it is **41.4917, 66.4982, 62.8153**.

Distribution



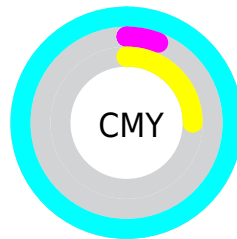
- Red (0%)
- Green (94%)
- Blue (75%)



- Red (0%)
- Yellow (53%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (6%)



- Cyan (100%)
- Magenta (6%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5641, 66.0818, 59.9073 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 40.5641, 66.0818, 59.9073 by changing the saturation by 10% instead.


 40.5641, 66.0818,
59.9073


 40.5641, 66.0818,
59.9073

339.5893,
446.6694, 442.0511


 28.1648, 48.3388,
42.9191


 75.3006, 113.6037,
106.2372


 18.5910, 34.0953,
29.4907


 98.3686, 144.1515,
136.4161

 11.4774, 22.9668,
19.2036


 125.7235,
179.7362, 171.8289

 6.4585, 14.5690,
11.6392

 157.7306,
220.7424, 212.8942

 3.1691, 8.5175,
6.3789

 194.7554,
267.5544, 260.0305

 1.2438, 4.4278,
3.0044

237.1632,

 0.1406, 1.9156,

320.5567, 313.6564

1.0969

285.3194,
380.1335, 374.1904

■ 0.0000, 0.5578,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5641, 66.0818,
59.9073

■ 40.5641, 66.0818,
59.9073

■ 40.5644, 66.0837,
59.9038

■ 41.4917, 66.4982,
62.8153

■ 42.9018, 67.1597,
65.8395

■ 44.9418, 68.1437,
68.9893

■ 47.6983, 69.4950,
72.2694

■ 51.2442, 71.2511,
75.6842

■ 55.6431, 73.4447,
79.2376

■ 60.9522, 76.1054,
82.9329

■ 67.2236, 79.2599,
86.7736

■ 74.5053, 82.9330,
90.7626

Harmonies

Analogous

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



44.9385, 66.0818, 34.0371



40.5641, 66.0818, 59.9073



41.4605, 66.0818, 100.6050

Triad

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



40.5641, 66.0818, 59.9073



72.1468, 66.0818, 166.7065



80.9656, 66.0818, 28.6869

Complementary

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



40.5641, 66.0818, 59.9073



36.4923, 18.7490, 4.6062

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.



90.4568, 66.0818, 49.3319



40.5641, 66.0818, 59.9073



84.8814, 66.0818, 130.9177

Square

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



40.5641, 66.0818, 59.9073



58.4489, 66.0818, 172.7509



91.9843, 66.0818, 85.5114



67.3803, 66.0818, 20.7765

Rectangle

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



40.5641, 66.0818, 59.9073



44.9799, 66.0818, 131.1811



91.9843, 66.0818, 85.5114



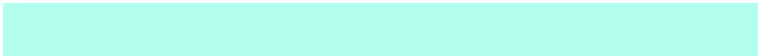
84.8181, 66.0818, 33.9300

Sweetspot

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



40.5659, 66.0844, 59.9089



69.8710, 87.2986, 95.1223



32.5794, 63.0535, 10.4547



14.3767, 18.3952, 19.9720



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.



40.5659, 66.0844, 59.9089



46.5308, 75.8283, 68.6383



30.4846, 35.8025, 87.7449



16.1010, 17.8704, 19.5547



22.2542, 36.1937, 33.0512



1.8859, 3.0248, 2.9313

Inverse Universe

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



36.4923, 18.7490, 4.6062



41.8615, 21.5086, 5.2027



38.0057, 22.6641, 2.3727



15.9048, 15.8116, 17.0549



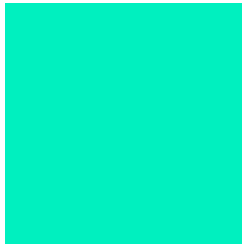
20.0132, 10.2777, 2.7201



1.6996, 0.8689, 0.4088

Previews

White Background



This preview shows how the XYZ color 40.5641, 66.0818, 59.9073 looks on a white background.

Color Contrast Check

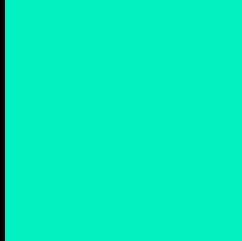
Large Text (above 18pt) WCAG AA × Fail

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 40.5641, 66.0818, 59.9073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

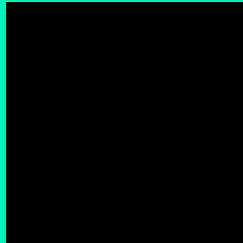
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5641, 66.0818, 59.9073

Background



This preview shows how black text looks on a background with the XYZ color 40.5641, 66.0818, 59.9073.

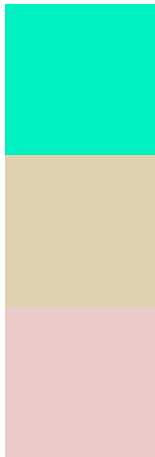


This preview shows how white text looks on a background with the XYZ color 40.5641, 66.0818,

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

40.5641, 66.0818, 59.9073

Protanopia

61.0073, 64.7574, 50.3583

Deuteranopia

65.9257, 64.4976, 63.0074



Tritanopia

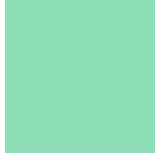
49.0169, 66.0947, 101.4409

Trichromacy



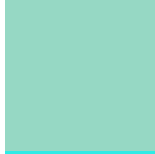
Original Color

40.5641, 66.0818, 59.9073



Protanomaly

45.1814, 60.7118, 53.0533



Deuteranomaly

47.0973, 59.5813, 61.2426



Tritanomaly

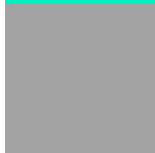
44.9779, 65.6546, 84.4308

Monochromacy



Original Color

40.5641, 66.0818, 59.9073



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.8825, 43.2218, 46.1974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5641, 66.0818, 59.9073 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, 240, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 191)  
}
```

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, 240, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 191) }
```

Border

The CSS property to change the border of an element to XYZ 40.5641, 66.0818, 59.9073 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, 240, 191) }
```


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

```
.border{ border-color:rgb(0, 240, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 240, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5641, 66.0818, 59.9073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 191) }
```

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

```
.background{ background-color: rgb(0, 240,  
191) }
```

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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