

Converting Colors

XYZ(39.7021, 65.5961, 55.7985)

Have a look what the booklet for
XYZ(39.7021, 65.5961, 55.7985)
contains.

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Color

**XYZ(39.8118, 65.7809,
55.9461)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0B8
RGB	0, 240, 184
RGB Percent	0%, 94%, 72%
CMY	0.9999, 0.0588, 0.2784
CMYK	1.00, 0.00, 0.23, 0.06
HSL	166°, 100%, 47%
HSV	166°, 100%, 94%
XYZ	39.8118, 65.7809, 55.9461
YIQ	161.8560, -125.0640, -68.2960

Conversions

Conversions Part 2

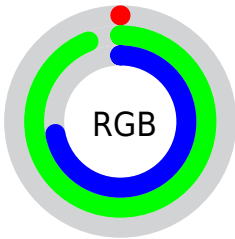
Format	Color
RYB	0, 136, 240
Decimal	61624
CIELab	84.88, -60.74, 13.75
CIELCh	85, 62.278, 167.245
Yxy	65.7809, 0.2465, 0.4072
Android (android.graphics.Color)	4278251704 (0xFF00F0B8)
YUV	161.8560, 10.9170, -141.9477
Hunter-Lab	81.1054, -54.3151, 15.8759

Details

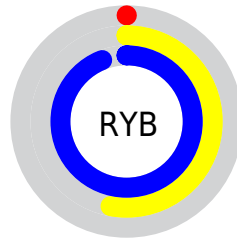
The XYZ color **39.8118, 65.7809, 55.9461** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **36.6515, 18.8125, 5.4452**, and the grayscale version is **34.2731, 36.0580, 39.2672**.

A 20% lighter version of the original color is **58.1703, 81.2560, 95.0562**, and **21.0302, 35.5057, 27.2176** is the 20% darker color. If you saturate the color by 10%, you get **39.8124, 65.7829, 55.9434**, and if you desaturate by 10%, it is **40.7896, 66.2174, 59.1194**.

Distribution



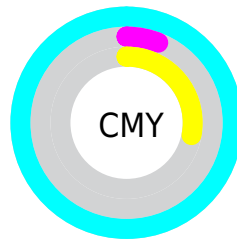
- Red (0%)
- Green (94%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8118, 65.7809, 55.9461 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 39.8118, 65.7809, 55.9461 by changing the saturation by 10% instead.


 39.8118, 65.7809,
55.9461


 39.8118, 65.7809,
55.9461


336.4777,
445.5929, 426.8709


 27.5754, 48.0946,
39.7560


 74.1630, 113.1718,
100.4108

 18.1446, 33.9018,
27.0360


 97.0085, 143.6452,
129.5224


 11.1542, 22.8182,
17.3676


 124.1211,
179.1497, 163.7784

 6.2387, 14.4593,
10.3322

 155.8661,
220.0697, 203.5971

 3.0328, 8.4408,
5.5113

 192.6090,
266.7896, 249.3972

 1.1711, 4.3783,
2.4863

234.7149,

 0.0834, 1.8873,

319.6939, 301.5972

0.8329

282.5494,
379.1668, 360.6156

■ 0.0000, 0.5407,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8118, 65.7809,
55.9461

■ 39.8118, 65.7809,
55.9461

■ 39.8124, 65.7829,
55.9434

■ 40.7896, 66.2174,
59.1194

■ 42.2552, 66.9010,
62.4369

■ 44.3559, 67.9094,
65.9081

■ 47.1787, 69.2871,
69.5385

■ 50.7963, 71.0718,
73.3329

■ 55.2726, 73.2964,
77.2953

■ 60.6647, 75.9902,
81.4299

■ 67.0248, 79.1801,
85.7402

■ 74.4012, 82.8911,
90.2298

Harmonies

Analogous

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



44.7996, 65.7809, 31.0626



39.8118, 65.7809, 55.9461



40.2164, 65.7809, 96.9390

Triad

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



39.8118, 65.7809, 55.9461



70.8296, 65.7809, 173.0887



82.5897, 65.7809, 28.6839

Complementary

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



39.8118, 65.7809, 55.9461



36.6515, 18.8125, 5.4452

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.



91.8475, 65.7809, 51.1515



39.8118, 65.7809, 55.9461



84.3945, 65.7809, 137.5751

Square

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



39.8118, 65.7809, 55.9461



56.7775, 65.7809, 175.9135



92.5533, 65.7809, 89.9877



68.6431, 65.7809, 19.7415

Rectangle

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



39.8118, 65.7809, 55.9461



43.4836, 65.7809, 129.0059



92.5533, 65.7809, 89.9877



86.4380, 65.7809, 34.4227

Sweetspot

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



39.8136, 65.7835, 55.9476



69.5426, 87.1673, 93.3933



33.0264, 63.2840, 10.4753



14.2976, 18.3636, 19.5554



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.



39.8136, 65.7835, 55.9476



45.6659, 75.4824, 64.0840



32.0527, 38.9387, 88.2677



16.0804, 17.8622, 19.4462



21.8469, 36.0308, 30.9064



1.8552, 3.0125, 2.7700

Inverse Universe

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



36.6515, 18.8125, 5.4452



42.0427, 21.5811, 6.1569



37.5539, 21.7604, 2.2218



15.9239, 15.8193, 17.1557



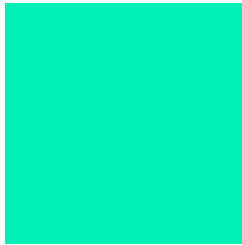
20.1047, 10.3143, 3.2020



1.7097, 0.8729, 0.4623

Previews

White Background



This preview shows how the XYZ color 39.8118, 65.7809, 55.9461 looks on a white background.

Color Contrast Check

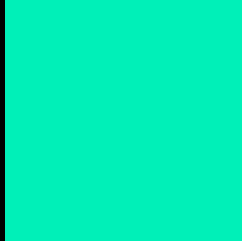
Large Text (above 18pt) WCAG AA × Fail

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 39.8118, 65.7809, 55.9461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

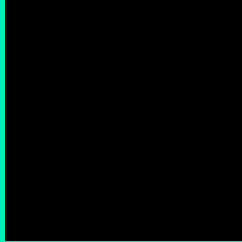
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

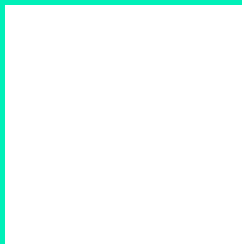
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8118, 65.7809, 55.9461

Background



This preview shows how black text looks on a background with the XYZ color 39.8118, 65.7809, 55.9461.



This preview shows how white text looks on a background with the XYZ color 39.8118, 65.7809,

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

39.8118, 65.7809, 55.9461

Protanopia

60.6395, 64.6457, 46.8179

Deuteranopia

65.7954, 64.5222, 58.8554



Tritanopia

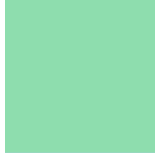
48.7329, 65.5498, 100.5264

Trichromacy



Original Color

39.8118, 65.7809, 55.9461



Protanomaly

44.6518, 60.5197, 49.3725



Deuteranomaly

46.5037, 59.3652, 57.1517



Tritanomaly

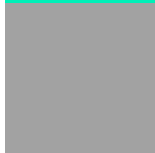
44.3692, 64.9650, 82.1525

Monochromacy



Original Color

39.8118, 65.7809, 55.9461



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.2627, 42.6128, 44.6076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8118, 65.7809, 55.9461 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 184) }
```

Border

The CSS property to change the border of an element to XYZ 39.8118, 65.7809, 55.9461 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, 184) }
```


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

```
.border{ border-color:rgb(0, 240, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8118, 65.7809, 55.9461 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, 184) }
```

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

```
.background{ background-color: rgb(0, 240,  
184) }
```

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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