

Converting Colors

XYZ(39.1955, 69.5253, 40.1116)

Have a look what the booklet for
XYZ(39.1955, 69.5253, 40.1116)
contains.

XYZ(39.1350, 69.3691, 40.1811)	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(39.1350, 69.3691,
40.1811)**

Conversions

Conversions Part 1

Format	Color
Hex	05F896
RGB	5, 248, 150
RGB Percent	2%, 97%, 59%
CMY	0.9803, 0.0274, 0.4118
CMYK	0.98, 0.00, 0.40, 0.03
HSL	156°, 96%, 50%
HSV	156°, 98%, 97%
XYZ	39.1350, 69.3691, 40.1811
YIQ	164.1710, -113.3700, -81.9940

Conversions

Conversions Part 2

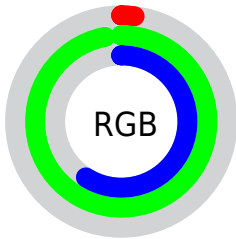
Format	Color
RYB	5, 157, 248
Decimal	391318
CIELab	86.69, -70.64, 33.59
CIELCh	87, 78.220, 154.568
Yxy	69.3691, 0.2632, 0.4666
Android (android.graphics.Color)	4278581398 (0xFF05F896)
YUV	164.1710, -6.9863, -139.5930
Hunter-Lab	83.2881, -61.8815, 29.6981

Details

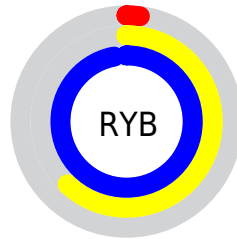
The XYZ color **39.1350, 69.3691, 40.1811** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **41.2167, 21.0459, 14.7278**, and the grayscale version is **35.4429, 37.2887, 40.6074**.

A 20% lighter version of the original color is **53.7189, 79.5052, 70.2724**, and **20.6181, 37.7088, 17.7471** is the 20% darker color. If you saturate the color by 10%, you get **38.9122, 69.2748, 39.3282**, and if you desaturate by 10%, it is **40.4445, 69.9490, 44.6300**.

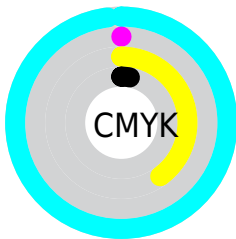
Distribution



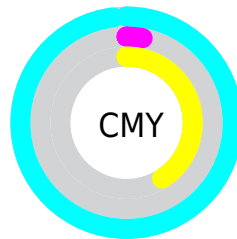
- Red (2%)
- Green (97%)
- Blue (59%)



- Red (2%)
- Yellow (62%)
- Blue (97%)



- Cyan (98%)
- Magenta (0%)
- Yellow (40%)
- Black (3%)





- Cyan (98%)
- Magenta (3%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1350, 69.3691, 40.1811 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 39.1350, 69.3691, 40.1811 by changing the saturation by 10% instead.


 39.1350, 69.3691,
40.1811


 39.1350, 69.3691,
40.1811


333.6614,
458.3317, 362.4611


 27.0460, 51.0124,
27.3649


 73.1373, 118.3086,
76.6793


 17.7445, 36.2184,
17.6126


 95.7812, 149.6602,
101.1984

 10.8653, 24.6030,
10.5057


 122.6741,
186.1121, 130.4556

 6.0429, 15.7815,
5.6255

 154.1814,
228.0489, 164.8693

 2.9121, 9.3697,
2.5537

 190.6685,
275.8548, 204.8582

 1.1075, 4.9831,
0.8684

232.5006,

 0.0313, 2.2373,

329.9143, 250.8408

0.0000

280.0431,
390.6118, 303.2355

■ 0.0000, 0.7402,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.1350, 69.3691,
40.1811

■ 39.1350, 69.3691,
40.1811

■ 38.9122, 69.2748,
39.3282

■ 40.4445, 69.9490,
44.6300

■ 42.3801, 70.8416,
49.4743

■ 45.0677, 72.1135,
54.7297

■ 48.5992, 73.8121,
60.4086

■ 53.0527, 75.9772,
66.5223

■ 58.4968, 78.6442,
73.0817

■ 64.9934, 81.8448,
80.0971

■ 72.5994, 85.6081,
87.5782

■ 81.3671, 89.9610,
95.5346

Harmonies

Analogous

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



48.0219, 69.3691, 19.4490



39.1350, 69.3691, 40.1811



36.8664, 69.3691, 83.7889

Triad

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



39.1350, 69.3691, 40.1811



68.7569, 69.3691, 225.7244



99.1094, 69.3691, 31.7785

Complementary

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



39.1350, 69.3691, 40.1811



41.2167, 21.0459, 14.7278

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.



107.2766, 69.3691, 67.8346



39.1350, 69.3691, 40.1811



87.8220, 69.3691, 191.5946

Square

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



39.1350, 69.3691, 40.1811



52.0325, 69.3691, 206.8117



102.8080, 69.3691, 127.1941



82.1124, 69.3691, 16.3968

Rectangle

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



39.1350, 69.3691, 40.1811



38.9781, 69.3691, 125.2695



102.8080, 69.3691, 127.1941



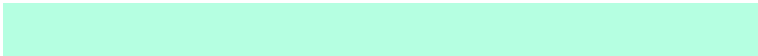
103.1075, 69.3691, 41.0850

Sweetspot

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



39.1368, 69.3719, 40.1827



68.4421, 86.7955, 84.5046



39.5715, 70.2288, 11.6141



13.9978, 18.2565, 17.3961



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.



39.1368, 69.3719, 40.1827



41.4399, 73.7920, 41.8302



44.6830, 62.1624, 98.4538



17.4522, 19.4831, 20.5816



21.0909, 37.4493, 21.6196



2.0058, 3.4894, 2.2785

Inverse Universe

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



41.2167, 21.0459, 14.7278



43.6806, 22.2362, 14.7819



39.0938, 20.6751, 2.0744



17.5347, 17.3412, 19.4055



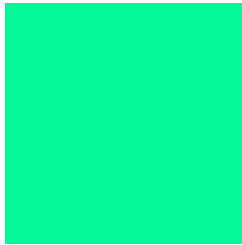
22.2202, 11.3038, 7.8678



2.1089, 1.0673, 0.9968

Previews

White Background



This preview shows how the XYZ color 39.1350, 69.3691, 40.1811 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 39.1350, 69.3691, 40.1811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

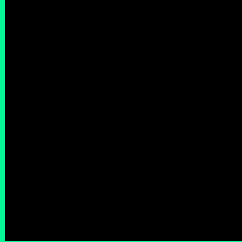
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.1350, 69.3691, 40.1811

Background



This preview shows how black text looks on a background with the XYZ color 39.1350, 69.3691, 40.1811.

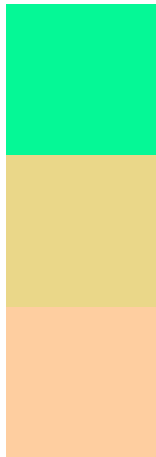


This preview shows how white text looks on a background with the XYZ color 39.1350, 69.3691,

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

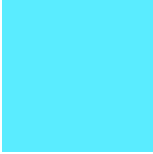
39.1350, 69.3691, 40.1811

Protanopia

62.7475, 67.8994, 33.4657

Deuteranopia

69.2895, 67.7515, 42.6831



Tritanopia

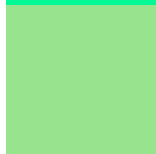
52.2619, 69.3846, 105.2458

Trichromacy



Original Color

39.1350, 69.3691, 40.1811



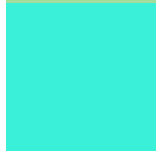
Protanomaly

45.1141, 63.4705, 35.4645



Deuteranomaly

46.9615, 61.8997, 40.9252



Tritanomaly

45.4881, 68.2597, 76.4236

Monochromacy



Original Color

39.1350, 69.3691, 40.1811



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.7170, 44.5976, 39.7374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1350, 69.3691, 40.1811 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(5, 248, 150)` looks like.

```
.text, #text, p{  
    color:rgb(5, 248, 150)  
}
```

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(5, 248, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 248, 150) }
```

Border

The CSS property to change the border of an element to XYZ 39.1350, 69.3691, 40.1811 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(5, 248, 150) }
```


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

```
.border{ border-color:rgb(5, 248, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 248, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 248, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 248, 150);  
box-shadow:4px 4px 4px 4px rgb(5, 248,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1350, 69.3691, 40.1811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 248, 150) }
```

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

```
.background{ background-color: rgb(5, 248,  
150) }
```

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