

Converting Colors

XYZ(40.2063, 69.3070, 47.3349)

Have a look what the booklet for
XYZ(40.2063, 69.3070, 47.3349)
contains.

XYZ(40.2063, 69.3070, 47.3349)	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(40.2063, 69.3070,
47.3349)**

Conversions

Conversions Part 1

Format	Color
Hex	05F7A6
RGB	5, 247, 166
RGB Percent	2%, 97%, 65%
CMY	0.9803, 0.0314, 0.3490
CMYK	0.98, 0.00, 0.33, 0.03
HSL	160°, 96%, 49%
HSV	160°, 98%, 97%
XYZ	40.2063, 69.3070, 47.3349
YIQ	165.4080, -118.2310, -76.4950

Conversions

Conversions Part 2

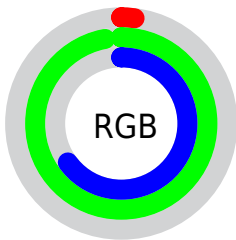
Format	Color
RYB	5, 150, 247
Decimal	391078
CIELab	86.66, -67.14, 25.48
CIELCh	87, 71.818, 159.216
Yxy	69.3070, 0.2563, 0.4419
Android (android.graphics.Color)	4278581158 (0xFF05F7A6)
YUV	165.4080, 0.2919, -140.6778
Hunter-Lab	83.2508, -59.4817, 24.5644

Details

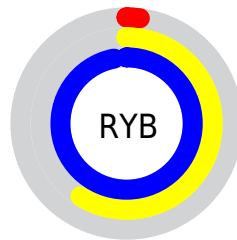
The XYZ color **40.2063, 69.3070, 47.3349** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **40.0947, 20.5564, 10.6651**, and the grayscale version is **36.0045, 37.8796, 41.2508**.

A 20% lighter version of the original color is **55.7506, 80.3179, 80.9711**, and **21.2349, 37.6101, 22.0599** is the 20% darker color. If you saturate the color by 10%, you get **39.9917, 69.2159, 46.5255**, and if you desaturate by 10%, it is **41.4560, 69.8626, 51.4829**.

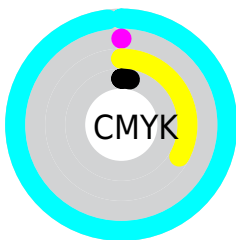
Distribution



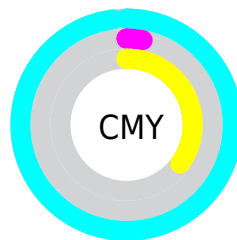
- Red (2%)
- Green (97%)
- Blue (65%)



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



- Cyan (98%)
- Magenta (0%)
- Yellow (33%)
- Black (3%)





- Cyan (98%)
- Magenta (3%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2063, 69.3070, 47.3349 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 40.2063, 69.3070, 47.3349 by changing the saturation by 10% instead.


 40.2063, 69.3070,
47.3349


 40.2063, 69.3070,
47.3349


338.1119,
458.1130, 392.5821


 27.8844, 50.9618,
32.9442


 74.7599, 118.2200,
87.5685


 18.3785, 36.1782,
21.8130


 97.7223, 149.5565,
114.2486


 11.3234, 24.5718,
13.5225


 124.9622,
185.9922, 145.8621

 6.3537, 15.7584,
7.6544

 156.8449,
227.9116, 182.8278

 3.1040, 9.3533,
3.7900

 193.7359,
275.6989, 225.5641

 1.2090, 4.9724,
1.5109

236.0005,

 0.1135, 2.2310,

329.7387, 274.4896

0.2260

284.0040,
390.4152, 330.0227

■ 0.0000, 0.7368,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.2063, 69.3070,
47.3349

■ 40.2063, 69.3070,
47.3349


■ 39.9917, 69.2159,
46.5255


■ 41.4560, 69.8626,
51.4829


■ 43.3059, 70.7200,
55.9167


■ 45.8801, 71.9450,
60.6481


■ 49.2689, 73.5840,
65.6858

 53.5489, 75.6764,
71.0375

 58.7873, 78.2567,
76.7107

 65.0449, 81.3563,
82.7122

 72.3774, 85.0037,
89.0487

 80.8360, 89.2252,
95.7264

Harmonies

Analogous

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



47.6044, 69.3070, 24.3217



40.2063, 69.3070, 47.3349



39.0143, 69.3070, 91.1529

Triad

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



40.2063, 69.3070, 47.3349



71.1461, 69.3070, 207.3077



93.9814, 69.3070, 31.0098

Complementary

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



40.2063, 69.3070, 47.3349



40.0947, 20.5564, 10.6651

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.



102.8793, 69.3070, 61.6865



40.2063, 69.3070, 47.3349



88.3062, 69.3070, 171.3549

Square

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



40.2063, 69.3070, 47.3349



55.1353, 69.3070, 198.0494



100.6433, 69.3070, 112.9791



77.9242, 69.3070, 18.0405

Rectangle

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



40.2063, 69.3070, 47.3349



41.6576, 69.3070, 129.7688



100.6433, 69.3070, 112.9791



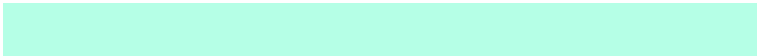
98.0224, 69.3070, 38.9194

Sweetspot

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



40.2081, 69.3097, 47.3365



69.1452, 87.0768, 88.2067



37.4788, 68.6947, 11.4285



14.1664, 18.3239, 18.2840



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.



40.2081, 69.3097, 47.3365



42.9815, 74.4086, 49.9480



40.0738, 53.1916, 96.1539



16.7471, 18.6580, 19.9527



21.2182, 36.6321, 24.9668



1.9125, 3.2387, 2.4452

Inverse Universe

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



40.0947, 20.5564, 10.6651



42.8941, 21.9216, 10.6404



39.1910, 21.3944, 2.2083



16.7279, 16.5740, 18.3140



21.1643, 10.8092, 5.5736



1.9060, 0.9684, 0.7313

Previews

White Background



This preview shows how the XYZ color 40.2063, 69.3070, 47.3349 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 40.2063, 69.3070, 47.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

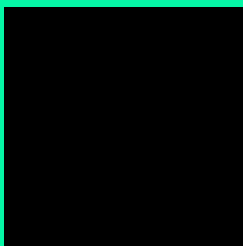
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

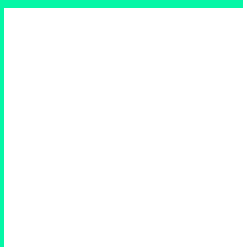
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2063, 69.3070, 47.3349

Background



This preview shows how black text looks on a background with the XYZ color 40.2063, 69.3070, 47.3349.



This preview shows how white text looks on a background with the XYZ color 40.2063, 69.3070,

Color Blindness Simulation

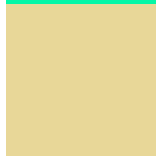
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.2063, 69.3070, 47.3349



Protanopia

63.2466, 68.0237, 39.5022



Deuteranopia

68.8761, 67.3775, 49.9324



Tritanopia

51.7918, 69.1422, 105.2238

Trichromacy



Original Color

40.2063, 69.3070, 47.3349



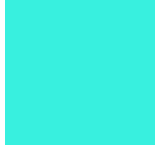
Protanomaly

45.9493, 63.7621, 41.7838



Deuteranomaly

47.8000, 62.1650, 48.5095



Tritanomaly

46.1103, 68.4886, 80.6014

Monochromacy



Original Color

40.2063, 69.3070, 47.3349



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.3700, 44.8726, 42.5525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2063, 69.3070, 47.3349 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, 247, 166)` looks like.

```
.text, #text, p{  
    color:rgb(5, 247, 166)  
}
```

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, 247, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 247, 166) }
```

Border

The CSS property to change the border of an element to XYZ 40.2063, 69.3070, 47.3349 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, 247, 166) }
```


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

```
.border{ border-color:rgb(5, 247, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 247, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 247, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 247, 166);  
box-shadow:4px 4px 4px 4px rgb(5, 247,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2063, 69.3070, 47.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 247, 166) }
```

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

```
.background{ background-color: rgb(5, 247,  
166) }
```

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