

Converting Colors

XYZ(40.1537, 69.4505, 46.8507)

Have a look what the booklet for
XYZ(40.1537, 69.4505, 46.8507)
contains.

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Color

**XYZ(40.0523, 69.2381,
46.8506)**

Conversions

Conversions Part 1

Format	Color
Hex	00F7A5
RGB	0, 247, 165
RGB Percent	0%, 97%, 65%
CMY	0.9999, 0.0314, 0.3529
CMYK	1.00, 0.00, 0.33, 0.03
HSL	160°, 100%, 48%
HSV	160°, 100%, 97%
XYZ	40.0523, 69.2381, 46.8506
YIQ	163.7990, -120.8900, -77.8660

Conversions

Conversions Part 2

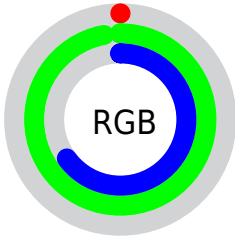
Format	Color
RYB	0, 148, 247
Decimal	63397
CIELab	86.62, -67.48, 25.94
CIELCh	87, 72.293, 158.969
Yxy	69.2381, 0.2565, 0.4434
Android (android.graphics.Color)	4278253477 (0xFF00F7A5)
YUV	163.7990, 0.5921, -143.6517
Hunter-Lab	83.2094, -59.6967, 24.8637

Details

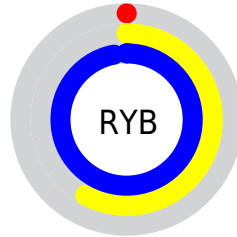
The XYZ color **40.0523, 69.2381, 46.8506** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **39.8838, 20.3853, 9.8219**, and the grayscale version is **35.2349, 37.0698, 40.3690**.

A 20% lighter version of the original color is **55.4883, 80.1980, 80.2654**, and **21.1782, 37.5874, 21.7617** is the 20% darker color. If you saturate the color by 10%, you get **40.0528, 69.2403, 46.8471**, and if you desaturate by 10%, it is **41.2189, 69.7522, 50.9296**.

Distribution



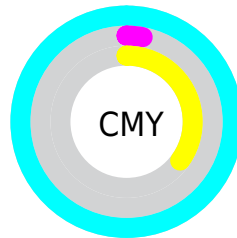
- Red (0%)
- Green (97%)
- Blue (65%)



- Red (0%)
- Yellow (58%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0523, 69.2381, 46.8506 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 40.0523, 69.2381, 46.8506 by changing the saturation by 10% instead.


 40.0523, 69.2381,
46.8506

 40.0523, 69.2381,
46.8506

337.4746,
457.8703, 390.5944


 27.7637, 50.9056,
32.5641


 74.5270, 118.1216,
86.8382


 18.2872, 36.1335,
21.5243


 97.4438, 149.4414,
113.3764


 11.2573, 24.5373,
13.3128


 124.6341,
185.8591, 144.8355

 6.3087, 15.7327,
7.5111

 156.4631,
227.7592, 181.6341

 3.0761, 9.3352,
3.7005

 193.2964,
275.5259, 224.1908

 1.1942, 4.9605,
1.4625

235.4991,

 0.1017, 2.2241,

329.5438, 272.9240

0.1898

283.4367,
390.1971, 328.2523

■ 0.0000, 0.7331,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0523, 69.2381,
46.8506

■ 40.0523, 69.2381,
46.8506

■ 40.0528, 69.2403,
46.8471

■ 41.2189, 69.7522,
50.9296

■ 42.9317, 70.5406,
55.2871

■ 45.3475, 71.6856,
59.9364

■ 48.5602, 73.2355,
64.8861

■ 52.6485, 75.2310,
70.1441

■ 57.6815, 77.7075,
75.7177

■ 63.7211, 80.6967,
81.6139

■ 70.8236, 84.2278,
87.8392

■ 79.0414, 88.3275,
94.3998

Harmonies

Analogous

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



47.5306, 69.2381, 23.9488



40.0523, 69.2381, 46.8506



38.8052, 69.2381, 90.7324

Triad

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



40.0523, 69.2381, 46.8506



70.9684, 69.2381, 208.4633



94.2183, 69.2381, 30.9270

Complementary

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



40.0523, 69.2381, 46.8506



39.8838, 20.3853, 9.8219

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.



103.1030, 69.2381, 61.8801



40.0523, 69.2381, 46.8506



88.2584, 69.2381, 172.4757

Square

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



40.0523, 69.2381, 46.8506



54.8951, 69.2381, 198.7181



100.7539, 69.2381, 113.6519



78.0807, 69.2381, 17.8482

Rectangle

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



40.0523, 69.2381, 46.8506



41.4234, 69.2381, 129.5871



100.7539, 69.2381, 113.6519



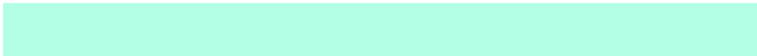
98.2669, 69.2381, 38.9044

Sweetspot

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



40.0541, 69.2408, 46.8522



68.4618, 86.7349, 87.7019



36.7728, 68.3338, 11.2525



14.0382, 18.2598, 18.1898



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.



40.0541, 69.2408, 46.8522



43.0472, 74.4349, 50.2941



38.8228, 50.7824, 95.7547



16.7491, 18.6588, 19.9631



21.2504, 36.6450, 25.1359



1.9152, 3.2397, 2.4592

Inverse Universe

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



39.8838, 20.3853, 9.8219



42.8665, 21.9106, 10.4950



39.1590, 21.3743, 2.0627



16.7260, 16.5733, 18.3039



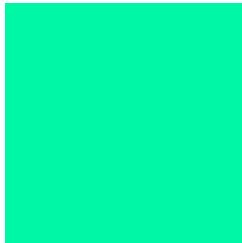
21.1504, 10.8036, 5.5003



1.9046, 0.9678, 0.7239

Previews

White Background



This preview shows how the XYZ color 40.0523, 69.2381, 46.8506 looks on a white background.

Color Contrast Check

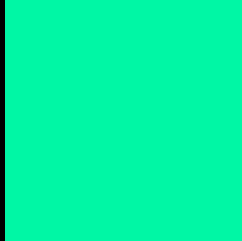
Large Text (above 18pt) WCAG AA × Fail

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 40.0523, 69.2381, 46.8506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

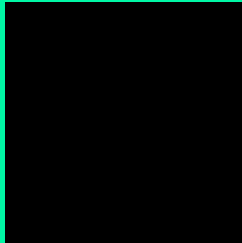
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0523, 69.2381, 46.8506

Background



This preview shows how black text looks on a background with the XYZ color 40.0523, 69.2381, 46.8506.

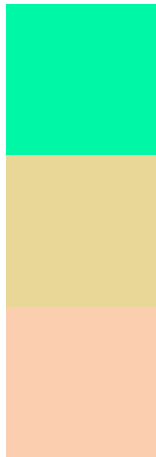


This preview shows how white text looks on a background with the XYZ color 40.0523, 69.2381,

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

40.0523, 69.2381, 46.8506

Protanopia

63.1651, 67.9910, 39.0726

Deuteranopia

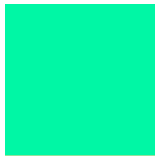
69.1356, 67.5226, 49.4337



Tritanopia

51.7918, 69.1422, 105.2238

Trichromacy



Original Color

40.0523, 69.2381, 46.8506



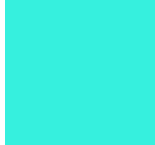
Protanomaly

45.6826, 63.6344, 41.3274



Deuteranomaly

47.5052, 62.0241, 47.9961



Tritanomaly

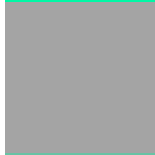
45.8662, 68.3784, 79.8882

Monochromacy



Original Color

40.0523, 69.2381, 46.8506



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.7015, 44.2070, 41.9839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0523, 69.2381, 46.8506 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, 247, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 165)  
}
```

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, 247, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 165) }
```

Border

The CSS property to change the border of an element to XYZ 40.0523, 69.2381, 46.8506 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, 247, 165) }
```


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

```
.border{ border-color:rgb(0, 247, 165) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0523, 69.2381, 46.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 165) }
```

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

```
.background{ background-color: rgb(0, 247,  
165) }
```

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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