

Converting Colors

XYZ(40.5761, 69.6187, 49.0772)

Have a look what the booklet for
XYZ(40.5761, 69.6187, 49.0772)
contains.

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Color

**XYZ(40.4222, 69.3861,
48.7985)**

Conversions

Conversions Part 1

Format	Color
Hex	00F7A9
RGB	0, 247, 169
RGB Percent	0%, 97%, 66%
CMY	0.9999, 0.0314, 0.3372
CMYK	1.00, 0.00, 0.32, 0.03
HSL	161°, 100%, 48%
HSV	161°, 100%, 97%
XYZ	40.4222, 69.3861, 48.7985
YIQ	164.2550, -122.1740, -76.6220

Conversions

Conversions Part 2

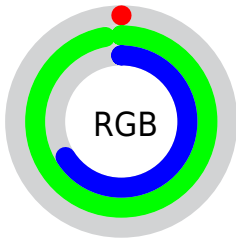
Format	Color
RYB	0, 147, 247
Decimal	63401
CIELab	86.69, -66.64, 24.01
CIELCh	87, 70.834, 160.190
Yxy	69.3861, 0.2549, 0.4375
Android (android.graphics.Color)	4278253481 (0xFF00F7A9)
YUV	164.2550, 2.3393, -144.0516
Hunter-Lab	83.2983, -59.1513, 23.5751

Details

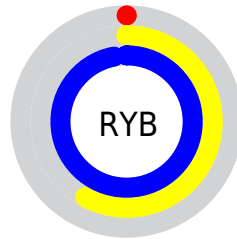
The XYZ color **40.4222, 69.3861, 48.7985** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **39.7358, 20.3261, 9.0428**, and the grayscale version is **35.4442, 37.2901, 40.6089**.

A 20% lighter version of the original color is **56.1607, 80.4670, 83.8059**, and **21.3500, 37.6561, 22.6661** is the 20% darker color. If you saturate the color by 10%, you get **40.4227, 69.3883, 48.7953**, and if you desaturate by 10%, it is **41.5725, 69.8937, 52.7921**.

Distribution



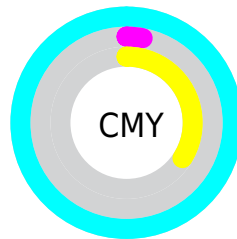
- Red (0%)
- Green (97%)
- Blue (66%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4222, 69.3861, 48.7985 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 40.4222, 69.3861, 48.7985 by changing the saturation by 10% instead.

 40.4222, 69.3861,
48.7985


 40.4222, 69.3861,
48.7985


339.0039,
458.3915, 398.5482


 28.0536, 51.0262,
34.0952


 75.0863, 118.3329,
89.7700


 18.5067, 36.2295,
22.6888


 98.1124, 149.6886,
116.8753


 11.4163, 24.6115,
14.1607


 125.4217,
186.1449, 148.9516

 6.4169, 15.7878,
8.0925

 157.3796,
228.0865, 186.4175

 3.1433, 9.3741,
4.0656

 194.3514,
275.8975, 229.6916

 1.2300, 4.9860,
1.6614

236.7025,

 0.1298, 2.2391,

329.9624, 279.1924

0.3341

284.7982,
390.6656, 335.3384

■ 0.0000, 0.7412,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4222, 69.3861,
48.7985

■ 40.4222, 69.3861,
48.7985

■ 40.4227, 69.3883,
48.7953

■ 41.5725, 69.8937,
52.7921

■ 43.2648, 70.6738,
57.0416

■ 45.6557, 71.8089,
61.5594

■ 48.8388, 73.3470,
66.3538

■ 52.8930, 75.3288,
71.4319

■ 57.8870, 77.7897,
76.8004

■ 63.8826, 80.7614,
82.4658

■ 70.9363, 84.2729,
88.4339

■ 79.1002, 88.3510,
94.7106

Harmonies

Analogous

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



47.5555, 69.3861, 25.2958



40.4222, 69.3861, 48.7985



39.4387, 69.3861, 92.7529

Triad

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



40.4222, 69.3861, 48.7985



71.7106, 69.3861, 204.5428



93.2119, 69.3861, 30.8427

Complementary

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



40.4222, 69.3861, 48.7985



39.7358, 20.3261, 9.0428

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.



102.2757, 69.3861, 60.6171



40.4222, 69.3861, 48.7985



88.5630, 69.3861, 168.1396

Square

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



40.4222, 69.3861, 48.7985



55.7911, 69.3861, 196.9925



100.4455, 69.3861, 110.6334



77.2716, 69.3861, 18.3226

Rectangle

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



40.4222, 69.3861, 48.7985



42.1942, 69.3861, 130.9341



100.4455, 69.3861, 110.6334



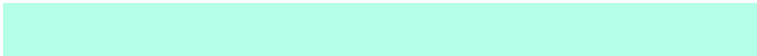
97.2750, 69.3861, 38.5111

Sweetspot

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



40.4240, 69.3888, 48.8001



68.6361, 86.8047, 88.6196



36.4237, 68.1539, 11.2362



14.0799, 18.2765, 18.4094



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.



40.4240, 69.3888, 48.8001



43.4452, 74.5941, 52.3899



37.8457, 48.8282, 95.4290



16.7609, 18.6635, 20.0255



21.4447, 36.7227, 26.1592



1.9312, 3.2461, 2.5436

Inverse Universe

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



39.7358, 20.3261, 9.0428



42.7079, 21.8472, 9.6598



39.3096, 21.6754, 2.1128



16.7147, 16.5687, 18.2444



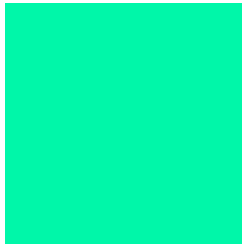
21.0702, 10.7715, 5.0780



1.8965, 0.9646, 0.6812

Previews

White Background



This preview shows how the XYZ color 40.4222, 69.3861, 48.7985 looks on a white background.

Color Contrast Check

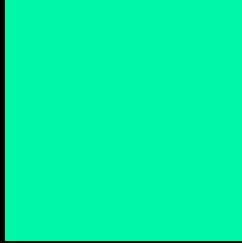
Large Text (above 18pt) WCAG AA × Fail

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 40.4222, 69.3861, 48.7985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

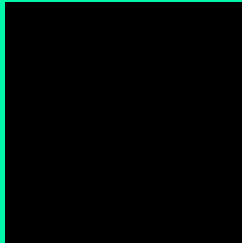
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4222, 69.3861, 48.7985

Background



This preview shows how black text looks on a background with the XYZ color 40.4222, 69.3861, 48.7985.



This preview shows how white text looks on a background with the XYZ color 40.4222, 69.3861,

Color Blindness Simulation

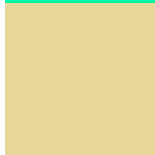
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



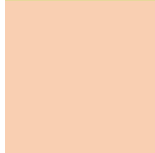
Original Color

40.4222, 69.3861, 48.7985



Protanopia

63.1718, 67.9564, 40.7977



Deuteranopia

69.4156, 67.9797, 51.5823



Tritanopia

51.8832, 69.1893, 105.2281

Trichromacy



Original Color

40.4222, 69.3861, 48.7985



Protanomaly

45.8469, 63.6793, 43.1327



Deuteranomaly

47.9597, 62.6068, 50.1140



Tritanomaly

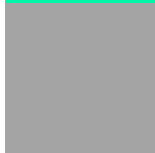
46.1902, 68.5142, 81.3111

Monochromacy



Original Color

40.4222, 69.3861, 48.7985



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.8836, 44.2798, 42.9428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4222, 69.3861, 48.7985 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 169) }
```

Border

The CSS property to change the border of an element to XYZ 40.4222, 69.3861, 48.7985 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, 169) }
```


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

```
.border{ border-color:rgb(0, 247, 169) }
```

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, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4222, 69.3861, 48.7985 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, 169) }
```

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

```
.background{ background-color: rgb(0, 247,  
169) }
```

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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