

Converting Colors

XYZ(41.5771, 70.0195, 54.3519)

Have a look what the booklet for
XYZ(41.5771, 70.0195, 54.3519)
contains.

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Color

**XYZ(41.4990, 69.8168,
54.4688)**

Conversions

Conversions Part 1

Format	Color
Hex	00F7B4
RGB	0, 247, 180
RGB Percent	0%, 97%, 71%
CMY	0.9999, 0.0314, 0.2941
CMYK	1.00, 0.00, 0.27, 0.03
HSL	164°, 100%, 48%
HSV	164°, 100%, 97%
XYZ	41.4990, 69.8168, 54.4688
YIQ	165.5090, -125.7050, -73.2010

Conversions

Conversions Part 2

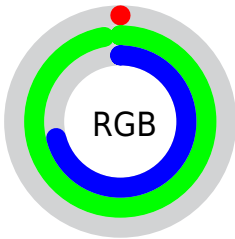
Format	Color
RYB	0, 143, 247
Decimal	63412
CIELab	86.91, -64.25, 18.66
CIELCh	87, 66.901, 163.805
Yxy	69.8168, 0.2503, 0.4211
Android (android.graphics.Color)	4278253492 (0xFF00F7B4)
YUV	165.5090, 7.1441, -145.1514
Hunter-Lab	83.5564, -57.5703, 19.8395

Details

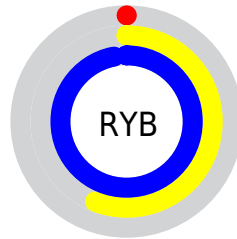
The XYZ color **41.4990, 69.8168, 54.4688** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **39.3738, 20.1814, 7.1365**, and the grayscale version is **36.0250, 37.9011, 41.2743**.

A 20% lighter version of the original color is **57.8398, 81.1535, 91.9726**, and **22.0284, 37.9275, 26.2384** is the 20% darker color. If you saturate the color by 10%, you get **41.4994, 69.8189, 54.4650**, and if you desaturate by 10%, it is **42.5943, 70.3024, 58.1722**.

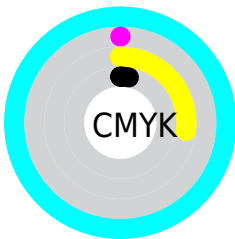
Distribution



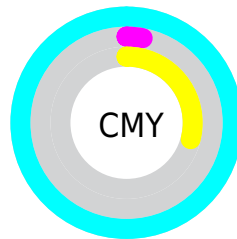
- Red (0%)
- Green (97%)
- Blue (71%)



- Red (0%)
- Yellow (56%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4990, 69.8168, 54.4688 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 41.4990, 69.8168, 54.4688 by changing the saturation by 10% instead.


 41.4990, 69.8168,
54.4688


 41.4990, 69.8168,
54.4688


343.4289,
459.9065, 421.1202


 28.8986, 51.3772,
38.5809


 76.7107, 118.9475,
98.2256


 19.1480, 36.5089,
26.1285


 100.0528,
150.4073, 126.9315

 11.8819, 24.8275,
16.6932


 127.7061,
186.9760, 160.7471

 6.7349, 15.9486,
9.8563

 160.0360,
229.0380, 200.0910

 3.3417, 9.4878,
5.1994

 197.4079,
276.9777, 245.3817

 1.3370, 5.0607,
2.3040

240.1871,

 0.2106, 2.2829,

331.1794, 297.0378

0.7334

288.7390,
392.0275, 355.4778

■ 0.0000, 0.7646,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4990, 69.8168,
54.4688

■ 41.4990, 69.8168,
54.4688

■ 41.4994, 69.8189,
54.4650

■ 42.5943, 70.3024,
58.1722

■ 44.2207, 71.0562,
62.0736

■ 46.5344, 72.1603,
66.1842

■ 49.6288, 73.6631,
70.5105

■ 53.5826, 75.6047,
75.0586

■ 58.4641, 78.0206,
79.8337

■ 64.3350, 80.9424,
84.8409

■ 71.2515, 84.3991,
90.0850

■ 79.2654, 88.4173,
95.5705

Harmonies

Analogous

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



47.6689, 69.8168, 29.3146



41.4990, 69.8168, 54.4688



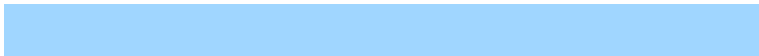
41.2624, 69.8168, 98.4399

Triad

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



41.4990, 69.8168, 54.4688



73.7846, 69.8168, 193.8379



90.4729, 69.8168, 30.6787

Complementary

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



41.4990, 69.8168, 54.4688



39.3738, 20.1814, 7.1365

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.



99.9968, 69.8168, 57.2899



41.4990, 69.8168, 54.4688



89.3885, 69.8168, 156.4995

Square

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



41.4990, 69.8168, 54.4688



58.3317, 69.8168, 192.1107



99.5715, 69.8168, 102.6130



75.0904, 69.8168, 19.7319

Rectangle

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



41.4990, 69.8168, 54.4688



44.4053, 69.8168, 134.6012



99.5715, 69.8168, 102.6130



94.5660, 69.8168, 37.5102

Sweetspot

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



41.5009, 69.8195, 54.4704



69.1217, 86.9989, 91.1765



35.7888, 67.8265, 11.2066



14.1963, 18.3231, 19.0224



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.



41.5009, 69.8195, 54.4704



44.6037, 75.0575, 58.4902



35.9690, 45.0748, 94.8034



16.7936, 18.6766, 20.1976



22.0095, 36.9486, 29.1333



1.9773, 3.2646, 2.7863

Inverse Universe

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



39.3738, 20.1814, 7.1365



42.3198, 21.6919, 7.6162



39.6575, 22.3713, 2.2290



16.6838, 16.5564, 18.0814



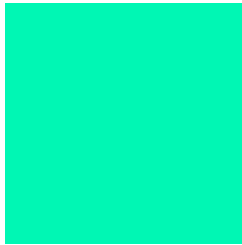
20.8728, 10.6925, 4.0385



1.8758, 0.9563, 0.5725

Previews

White Background



This preview shows how the XYZ color 41.4990, 69.8168, 54.4688 looks on a white background.

Color Contrast Check

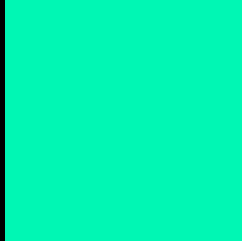
Large Text (above 18pt) WCAG AA × Fail

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 41.4990, 69.8168, 54.4688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

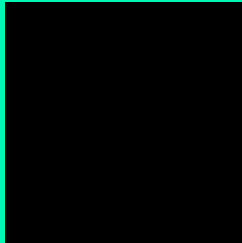
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4990, 69.8168, 54.4688

Background



This preview shows how black text looks on a background with the XYZ color 41.4990, 69.8168, 54.4688.

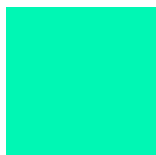


This preview shows how white text looks on a background with the XYZ color 41.4990, 69.8168,

Color Blindness Simulation

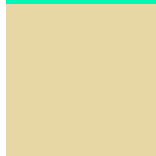
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.4990, 69.8168, 54.4688



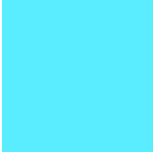
Protanopia

63.7251, 68.1405, 45.3911



Deuteranopia

69.7472, 68.3787, 57.6664



Tritanopia

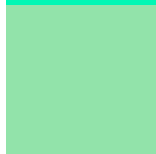
52.2619, 69.3846, 105.2458

Trichromacy



Original Color

41.4990, 69.8168, 54.4688



Protanomaly

46.5788, 63.9514, 47.9191



Deuteranomaly

48.8888, 62.9558, 56.0293



Tritanomaly

46.8510, 68.7915, 84.2076

Monochromacy



Original Color

41.4990, 69.8168, 54.4688



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.8097, 45.0347, 45.4914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4990, 69.8168, 54.4688 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 180) }
```

Border

The CSS property to change the border of an element to XYZ 41.4990, 69.8168, 54.4688 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, 180) }
```


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

```
.border{ border-color:rgb(0, 247, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4990, 69.8168, 54.4688 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, 180) }
```

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

```
.background{ background-color: rgb(0, 247,  
180) }
```

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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