

Converting Colors

XYZ(41.9253, 68.9191, 60.0071)

Have a look what the booklet for
XYZ(41.9253, 68.9191, 60.0071)
contains.

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Color

**XYZ(41.9467, 69.0225,
59.8271)**

Conversions

Conversions Part 1

Format	Color
Hex	00F5BE
RGB	0, 245, 190
RGB Percent	0%, 96%, 75%
CMY	0.9998, 0.0392, 0.2549
CMYK	1.00, 0.00, 0.22, 0.04
HSL	167°, 100%, 48%
HSV	167°, 100%, 96%
XYZ	41.9467, 69.0225, 59.8271
YIQ	165.4750, -128.3650, -69.0450

Conversions

Conversions Part 2

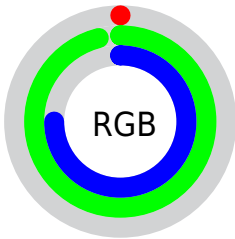
Format	Color
RYB	0, 138, 245
Decimal	62910
CIELab	86.52, -61.20, 12.94
CIELCh	87, 62.552, 168.062
Yxy	69.0225, 0.2456, 0.4041
Android (android.graphics.Color)	4278252990 (0xFF00F5BE)
YUV	165.4750, 12.0908, -145.1216
Hunter-Lab	83.0798, -55.2656, 15.4602

Details

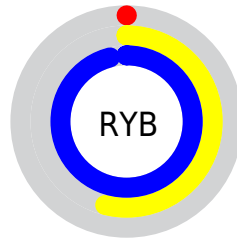
The XYZ color **41.9467, 69.0225, 59.8271** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **38.3486, 19.6903, 5.3994**, and the grayscale version is **35.9872, 37.8613, 41.2310**.

A 20% lighter version of the original color is **59.3340, 81.7512, 99.8411**, and **22.2857, 37.3468, 29.7010** is the 20% darker color. If you saturate the color by 10%, you get **41.9470, 69.0245, 59.8232**, and if you desaturate by 10%, it is **42.9506, 69.4710, 63.0741**.

Distribution



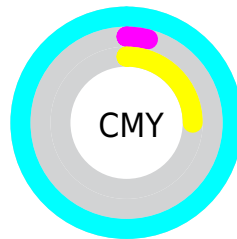
- Red (0%)
- Green (96%)
- Blue (75%)



- Red (0%)
- Yellow (54%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9467, 69.0225, 59.8271 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 41.9467, 69.0225, 59.8271 by changing the saturation by 10% instead.


 41.9467, 69.0225,
59.8271


 41.9467, 69.0225,
59.8271


345.2573,
457.1103, 441.7471

 29.2505, 50.7300,
42.8549


 77.3846, 117.8137,
106.1197


 19.4156, 35.9938,
29.4407


 100.8570,
149.0812, 136.2772


 12.0768, 24.4294,
19.1660


 128.6522,
185.4426, 171.6669

 6.8686, 15.6525,
11.6123

 161.1356,
227.2821, 212.7074

 3.4256, 9.2786,
6.3609

 198.6724,
274.9843, 259.8170

 1.3826, 4.9233,
2.9935

241.6280,

 0.2438, 2.2023,

328.9335, 313.4145

1.0913

290.3679,
389.5140, 373.9184

■ 0.0000, 0.7213,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9467, 69.0225,
59.8271

■ 41.9467, 69.0225,
59.8271

■ 41.9470, 69.0245,
59.8232

■ 42.9506, 69.4710,
63.0741

■ 44.4654, 70.1784,
66.4633

■ 46.6447, 71.2258,
70.0046

■ 49.5798, 72.6600,
73.7034

■ 53.3475, 74.5208,
77.5647

■ 58.0147, 76.8425,
81.5927

■ 63.6417, 79.6562,
85.7915

■ 70.2833, 82.9902,
90.1647

■ 77.9901, 86.8704,
94.7159

Harmonies

Analogous

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



46.9850, 69.0225, 33.4457



41.9467, 69.0225, 59.8271



42.5210, 69.0225, 102.7057

Triad

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



41.9467, 69.0225, 59.8271



74.6264, 69.0225, 179.3989



86.0411, 69.0225, 30.0542

Complementary

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



41.9467, 69.0225, 59.8271



38.3486, 19.6903, 5.3994

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.



95.8163, 69.0225, 53.0306



41.9467, 69.0225, 59.8271



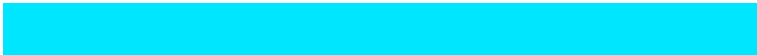
88.5872, 69.0225, 142.0878

Square

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



41.9467, 69.0225, 59.8271



60.0077, 69.0225, 183.3679



96.8113, 69.0225, 92.8971



71.5375, 69.0225, 20.9988

Rectangle

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



41.9467, 69.0225, 59.8271



46.0219, 69.0225, 135.8587



96.8113, 69.0225, 92.8971



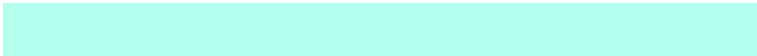
90.0756, 69.0225, 35.9143

Sweetspot

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



41.9486, 69.0252, 59.8287



69.6417, 87.2069, 93.9150



34.3526, 66.1830, 10.9653



14.3214, 18.3731, 19.6810



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.



41.9486, 69.0252, 59.8287



45.9236, 75.5854, 65.4406



32.7394, 39.1069, 92.2121



16.8281, 18.6904, 20.3794



22.6516, 37.2055, 32.5149



2.0290, 3.2853, 3.0587

Inverse Universe

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



38.3486, 19.6903, 5.3994



41.9849, 21.5580, 5.8527



39.5691, 23.2360, 2.4007



16.6515, 16.5434, 17.9113



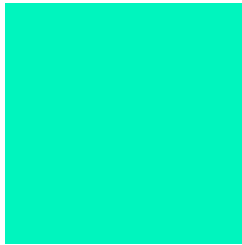
20.7005, 10.6236, 3.1310



1.8567, 0.9486, 0.4718

Previews

White Background



This preview shows how the XYZ color 41.9467, 69.0225, 59.8271 looks on a white background.

Color Contrast Check

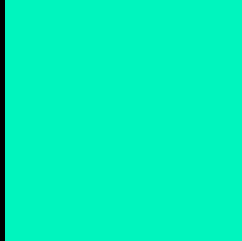
Large Text (above 18pt) WCAG AA × Fail

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 41.9467, 69.0225, 59.8271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

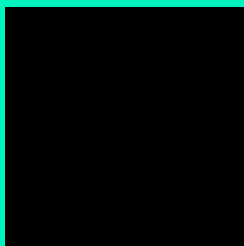
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9467, 69.0225, 59.8271

Background



This preview shows how black text looks on a background with the XYZ color 41.9467, 69.0225, 59.8271.



This preview shows how white text looks on a background with the XYZ color 41.9467, 69.0225,

Color Blindness Simulation

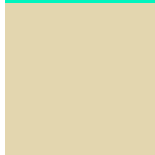
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



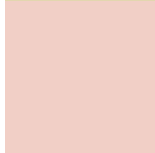
Original Color

41.9467, 69.0225, 59.8271



Protanopia

63.4630, 67.5192, 50.2451



Deuteranopia

68.7815, 67.4036, 62.8111



Tritanopia

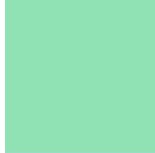
51.3537, 68.9164, 105.2033

Trichromacy



Original Color

41.9467, 69.0225, 59.8271



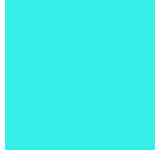
Protanomaly

46.6650, 63.0750, 52.8952



Deuteranomaly

48.8436, 62.4253, 61.1047



Tritanomaly

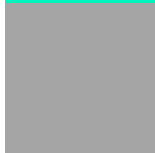
46.6555, 68.2063, 86.3074

Monochromacy



Original Color

41.9467, 69.0225, 59.8271



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.7575, 44.6428, 46.9348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9467, 69.0225, 59.8271 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, 245, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 190)  
}
```

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, 245, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 190) }
```

Border

The CSS property to change the border of an element to XYZ 41.9467, 69.0225, 59.8271 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, 245, 190) }
```


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

```
.border{ border-color:rgb(0, 245, 190) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9467, 69.0225, 59.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 190) }
```

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

```
.background{ background-color: rgb(0, 245,  
190) }
```

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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