

Converting Colors

XYZ(41.1271, 67.3734, 59.5848)

Have a look what the booklet for
XYZ(41.1271, 67.3734, 59.5848)
contains.

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Color

**XYZ(41.0464, 67.2220,
59.5270)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2BE
RGB	0, 242, 190
RGB Percent	0%, 95%, 75%
CMY	0.9999, 0.0510, 0.2549
CMYK	1.00, 0.00, 0.21, 0.05
HSL	167°, 100%, 47%
HSV	167°, 100%, 95%
XYZ	41.0464, 67.2220, 59.5270
YIQ	163.7140, -127.5400, -67.4760

Conversions

Conversions Part 2

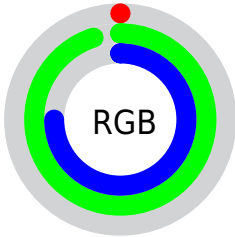
Format	Color
RYB	0, 136, 242
Decimal	62142
CIELab	85.62, -60.07, 11.66
CIELCh	86, 61.188, 169.011
Yxy	67.2220, 0.2446, 0.4006
Android (android.graphics.Color)	4278252222 (0xFF00F2BE)
YUV	163.7140, 12.9590, -143.5772
Hunter-Lab	81.9890, -54.1178, 14.3456

Details

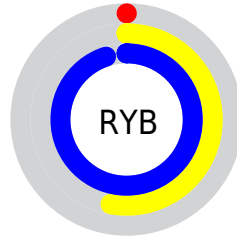
The XYZ color **41.0464, 67.2220, 59.5270** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **37.2404, 19.1270, 4.9826**, and the grayscale version is **35.1407, 36.9707, 40.2611**.

A 20% lighter version of the original color is **59.2046, 81.6845, 99.8351**, and **21.8643, 36.5041, 29.5605** is the 20% darker color. If you saturate the color by 10%, you get **41.0469, 67.2240, 59.5239**, and if you desaturate by 10%, it is **42.0090, 67.6530, 62.5945**.

Distribution



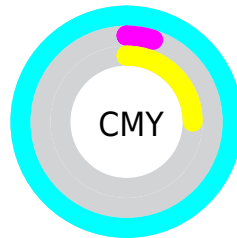
- Red (0%)
- Green (95%)
- Blue (75%)



- Red (0%)
- Yellow (53%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0464, 67.2220, 59.5270 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 41.0464, 67.2220, 59.5270 by changing the saturation by 10% instead.


 41.0464, 67.2220,
59.5270


 41.0464, 67.2220,
59.5270


341.5738,
450.7346, 440.6082

 28.5432, 49.2651,
42.6147


 76.0286, 115.2385,
105.6799


 18.8781, 34.8298,
29.2538


 99.2383, 146.0668,
135.7575


 11.6857, 23.5318,
19.0256


 126.7475,
181.9543, 171.0607

 6.6007, 14.9867,
11.5118

 158.9215,
223.2855, 212.0079

 3.2578, 8.8100,
6.2937

 196.1259,
270.4447, 259.0177

 1.2915, 4.6175,
2.9528

238.7258,

 0.1768, 2.0246,

323.8164, 312.5087

1.0706

287.0866,
383.7849, 372.8994

■ 0.0000, 0.6217,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0464, 67.2220,
59.5270

■ 41.0464, 67.2220,
59.5270

■ 41.0469, 67.2240,
59.5239

■ 42.0090, 67.6530,
62.5945

■ 43.4656, 68.3347,
65.7905

■ 45.5663, 69.3460,
69.1248

■ 48.3995, 70.7326,
72.6024

■ 52.0396, 72.5326,
76.2279

■ 56.5516, 74.7797,
80.0054

■ 61.9938, 77.5038,
83.9384

■ 68.4195, 80.7325,
88.0306

■ 75.8777, 84.4909,
92.2852

Harmonies

Analogous

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



45.7366, 67.2220, 33.5358



41.0464, 67.2220, 59.5270



41.7725, 67.2220, 101.1245

Triad

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



41.0464, 67.2220, 59.5270



73.0182, 67.2220, 172.2738



83.1143, 67.2220, 29.2260

Complementary

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



41.0464, 67.2220, 59.5270



37.2404, 19.1270, 4.9826

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.



92.7000, 67.2220, 50.9464



41.0464, 67.2220, 59.5270



86.3112, 67.2220, 135.8958

Square

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



41.0464, 67.2220, 59.5270



58.9231, 67.2220, 177.2341



93.9482, 67.2220, 88.8059



69.1338, 67.2220, 20.7720

Rectangle

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



41.0464, 67.2220, 59.5270



45.2629, 67.2220, 132.8561



93.9482, 67.2220, 88.8059



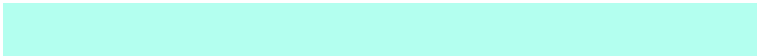
87.0391, 67.2220, 34.7552

Sweetspot

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



41.0482, 67.2246, 59.5286



69.7500, 87.2502, 94.4850



33.1937, 64.2491, 10.6529



14.3475, 18.3835, 19.8184



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.



41.0482, 67.2246, 59.5286



46.2084, 75.6994, 66.9404



31.0575, 36.4701, 89.4100



16.0934, 17.8674, 19.5148



22.1024, 36.1330, 32.2519



1.8745, 3.0202, 2.8713

Inverse Universe

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



37.2404, 19.1270, 4.9826



41.9249, 21.5339, 5.5365



38.7228, 23.0846, 2.4159



15.9118, 15.8144, 17.0918



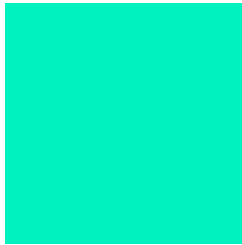
20.0453, 10.2906, 2.8893



1.7032, 0.8703, 0.4279

Previews

White Background



This preview shows how the XYZ color 41.0464, 67.2220, 59.5270 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 41.0464, 67.2220, 59.5270 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 41.0464, 67.2220, 59.5270

Background



This preview shows how black text looks on a background with the XYZ color 41.0464, 67.2220, 59.5270.

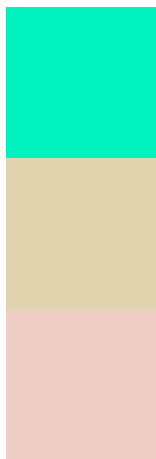


This preview shows how white text looks on a background with the XYZ color 41.0464, 67.2220,

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

41.0464, 67.2220, 59.5270

Protanopia

62.0218, 66.0294, 50.0335

Deuteranopia

67.2843, 65.9170, 62.6031



Tritanopia

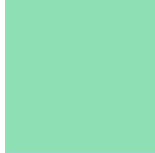
49.9765, 67.3933, 103.3027

Trichromacy



Original Color

41.0464, 67.2220, 59.5270



Protanomaly

45.9536, 61.9103, 52.7079



Deuteranomaly

47.6842, 60.6622, 60.8255



Tritanomaly

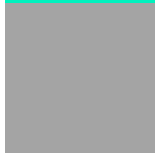
45.7394, 66.8859, 85.3625

Monochromacy



Original Color

41.0464, 67.2220, 59.5270



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.1014, 43.6595, 46.2704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0464, 67.2220, 59.5270 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, 242, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 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, 242, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 190) }
```

Border

The CSS property to change the border of an element to XYZ 41.0464, 67.2220, 59.5270 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, 242, 190) }
```


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

```
.border{ border-color:rgb(0, 242, 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, 242, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0464, 67.2220, 59.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 190) }
```

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

```
.background{ background-color: rgb(0, 242,  
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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