

Converting Colors

XYZ(36.6611, 64.3318, 65.4072)

Have a look what the booklet for
XYZ(36.6611, 64.3318, 65.4072)
contains.

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Color

**XYZ(41.8806, 67.0807,
65.3841)**

Conversions

Conversions Part 1

Format	Color
Hex	00F1C8
RGB	0, 241, 200
RGB Percent	0%, 95%, 78%
CMY	0.9998, 0.0549, 0.2157
CMYK	1.00, 0.00, 0.17, 0.05
HSL	170°, 100%, 47%
HSV	170°, 100%, 95%
XYZ	41.8806, 67.0807, 65.3841
YIQ	164.2670, -130.4750, -63.8430

Conversions

Conversions Part 2

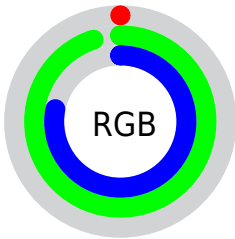
Format	Color
RYB	0, 132, 241
Decimal	61896
CIELab	85.54, -57.22, 6.34
CIELCh	86, 57.566, 173.673
Yxy	67.0807, 0.2402, 0.3848
Android (android.graphics.Color)	4278251976 (0xFF00F1C8)
YUV	164.2670, 17.6164, -144.0622
Hunter-Lab	81.9028, -52.0548, 10.0000

Details

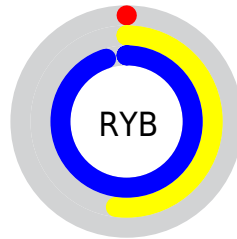
The XYZ color **41.8806, 67.0807, 65.3841** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **36.6784, 18.8628, 3.8096**, and the grayscale version is **35.3839, 37.2266, 40.5398**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **22.3288, 36.3563, 33.0347** is the 20% darker color. If you saturate the color by 10%, you get **41.8811, 67.0827, 65.3811**, and if you desaturate by 10%, it is **42.7479, 67.4733, 67.9620**.

Distribution



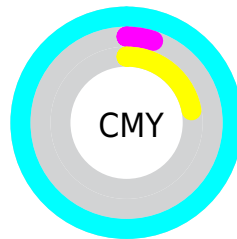
- Red (0%)
- Green (95%)
- Blue (78%)



- Red (0%)
- Yellow (52%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8806, 67.0807, 65.3841 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 41.8806, 67.0807, 65.3841 by changing the saturation by 10% instead.


 41.8806, 67.0807,
65.3841

 41.8806, 67.0807,
65.3841


344.9878,
450.2320, 462.5149


 29.1985, 49.1502,
47.3193


 77.2852, 115.0360,
114.2205


 19.3761, 34.7387,
32.9320

 100.7384,
145.8297, 145.8291


 12.0480, 23.4616,
21.8037


 128.5127,
181.6798, 182.7894

 6.8488, 14.9347,
13.5158

 160.9734,
222.9709, 225.5199

 3.4132, 8.7736,
7.6498

 198.4859,
270.0872, 274.4391

 1.3758, 4.5938,
3.7871

241.4156,

 0.2389, 2.0110,

323.4133, 329.9657

1.5093

290.1278,
383.3334, 392.5181

■ 0.0000, 0.6138,
0.2248

■ 0.0000, 0.0000,
0.0000

■ 41.8806, 67.0807,
65.3841

■ 41.8806, 67.0807,
65.3841

■ 41.8811, 67.0827,
65.3811

■ 42.7479, 67.4733,
67.9620

■ 44.0971, 68.1112,
70.6286

■ 46.0768, 69.0726,
73.3929

■ 48.7744, 70.4026,
76.2594

■ 52.2634, 72.1391,
79.2320

■ 56.6081, 74.3152,
82.3144

■ 61.8662, 76.9606,
85.5096

■ 68.0902, 80.1023,
88.8205

■ 75.3287, 83.7655,
92.2500

Harmonies

Analogous

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



45.5622, 67.0807, 38.1328



41.8806, 67.0807, 65.3841



43.3821, 67.0807, 105.9552

Triad

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



41.8806, 67.0807, 65.3841



74.4020, 67.0807, 160.8893



79.8522, 67.0807, 29.0129

Complementary

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



41.8806, 67.0807, 65.3841



36.6784, 18.8628, 3.8096

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.



89.6849, 67.0807, 47.7621



41.8806, 67.0807, 65.3841



86.2493, 67.0807, 124.5728

Square

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



41.8806, 67.0807, 65.3841



61.0259, 67.0807, 170.5994



92.1728, 67.0807, 81.2702



66.5708, 67.0807, 22.2835

Rectangle

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



41.8806, 67.0807, 65.3841



47.2385, 67.0807, 134.9429



92.1728, 67.0807, 81.2702



83.7398, 67.0807, 33.7290

Sweetspot

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



41.8825, 67.0833, 65.3857



70.2595, 87.4540, 97.1681



32.5048, 63.4532, 10.5358



14.4705, 18.4327, 20.4659



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.



41.8825, 67.0833, 65.3857



47.5944, 76.2538, 74.2392



29.2793, 33.1534, 88.0780



16.1251, 17.8801, 19.6819



22.7544, 36.3938, 35.6854



1.9232, 3.0397, 3.1278

Inverse Universe

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



36.6784, 18.8628, 3.8096



41.6833, 21.4373, 4.2641



38.8856, 23.9184, 2.5685



15.8825, 15.8027, 16.9377



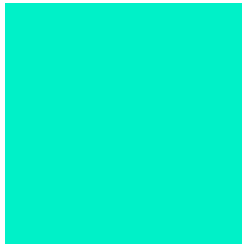
19.9220, 10.2412, 2.2398



1.6888, 0.8646, 0.3520

Previews

White Background



This preview shows how the XYZ color 41.8806, 67.0807, 65.3841 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 41.8806, 67.0807, 65.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

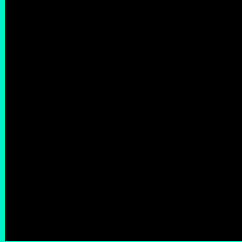
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

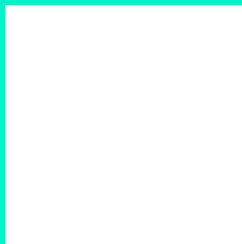
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8806, 67.0807, 65.3841

Background



This preview shows how black text looks on a background with the XYZ color 41.8806, 67.0807, 65.3841.

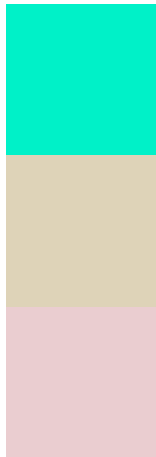


This preview shows how white text looks on a background with the XYZ color 41.8806, 67.0807,

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

41.8806, 67.0807, 65.3841

Protanopia

62.0702, 65.5788, 54.7339

Deuteranopia

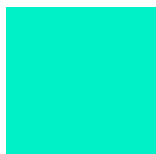
67.1482, 65.7091, 68.8185



Tritanopia

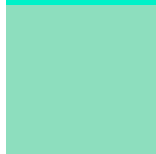
49.6782, 67.2396, 103.2887

Trichromacy



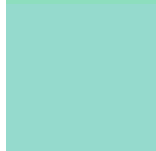
Original Color

41.8806, 67.0807, 65.3841



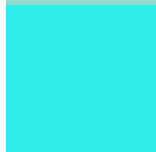
Protanomaly

46.4000, 61.6230, 58.1641



Deuteranomaly

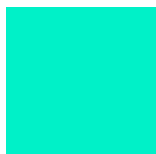
48.4853, 60.9401, 66.9648



Tritanomaly

46.2177, 67.0668, 88.3512

Monochromacy



Original Color

41.8806, 67.0807, 65.3841



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.4944, 43.8167, 48.3398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8806, 67.0807, 65.3841 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, 241, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 200)  
}
```

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, 241, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 200) }
```

Border

The CSS property to change the border of an element to XYZ 41.8806, 67.0807, 65.3841 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, 241, 200) }
```


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

```
.border{ border-color:rgb(0, 241, 200) }
```

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

Here you see how a box with a 4 pixel rgb(0, 241, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8806, 67.0807, 65.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 200) }
```

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

```
.background{ background-color: rgb(0, 241,  
200) }
```

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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