

Converting Colors

XYZ(46.1197, 75.6639, 66.4736)

Have a look what the booklet for
XYZ(46.1197, 75.6639, 66.4736)
contains.

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Color

**XYZ(46.0688, 75.6435,
66.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFC7
RGB	0, 255, 199
RGB Percent	0%, 100%, 78%
CMY	0.9998, 0.0000, 0.2196
CMYK	1.00, 0.00, 0.22, 0.00
HSL	167°, 100%, 50%
HSV	167°, 100%, 100%
XYZ	46.0688, 75.6435, 66.2054
YIQ	172.3710, -134.0040, -71.4760

Conversions

Conversions Part 2

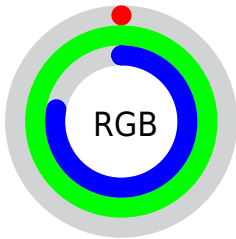
Format	Color
RYB	0, 143, 255
Decimal	65479
CIELab	89.69, -62.82, 12.79
CIELCh	90, 64.106, 168.488
Yxy	75.6435, 0.2452, 0.4025
Android (android.graphics.Color)	4278255559 (0xFF00FFC7)
YUV	172.3710, 13.1281, -151.1694
Hunter-Lab	86.9733, -57.6537, 15.7488

Details

The XYZ color **46.0688, 75.6435, 66.2054** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.9553, 21.5469, 5.6945**, and the grayscale version is **39.3913, 41.4427, 45.1311**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.0771, 41.9768, 33.5687** is the 20% darker color. If you saturate the color by 10%, you get **46.0679, 75.6432, 66.2007**, and if you desaturate by 10%, it is **47.1460, 76.1223, 69.7148**.

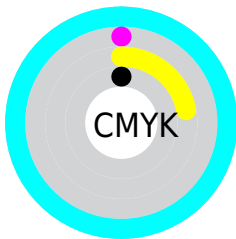
Distribution



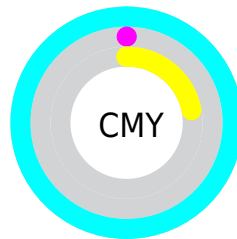
- Red (0%)
- Green (100%)
- Blue (78%)



- Red (0%)
- Yellow (56%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0688, 75.6435, 66.2054 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 46.0688, 75.6435, 66.2054 by changing the saturation by 10% instead.


 46.0688, 75.6435,
66.2054


 46.0688, 75.6435,
66.2054

361.7965,
480.1265, 465.5354


 32.5050, 56.1402,
47.9816


 83.5492, 127.2228,
115.4109


 21.9049, 40.3154,
33.4524


 108.1965,
160.0677, 147.2297


 13.9033, 27.7845,
22.1993


 137.2689,
198.1286, 184.4173

 8.1347, 18.1633,
13.8037

 171.1319,
241.7898, 227.3921

 4.2338, 11.0673,
7.8471

 210.1508,
291.4358, 276.5728

 1.8352, 6.1121,
3.9109

254.6910,

 0.5388, 2.9134,

347.4510, 332.3779

1.5766

305.1177,
410.2197, 395.2259

■ 0.0000, 1.0867,
0.2740

■ 0.0000, 0.0000,
0.0000

■ 46.0688, 75.6435,
66.2054

■ 46.0688, 75.6435,
66.2054

■ 46.0679, 75.6432,
66.2007

■ 47.1460, 76.1223,
69.7148

■ 48.7857, 76.8883,
73.3755

■ 51.1533, 78.0267,
77.1979

■ 54.3498, 79.5895,
81.1878

■ 58.4597, 81.6203,
85.3505

■ 63.5571, 84.1574,
89.6908

■ 69.7084, 87.2348,
94.2128

■ 76.9741, 90.8837,
98.9207

■ 85.4099, 95.1328,
103.8183

Harmonies

Analogous

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



51.4802, 75.6435, 37.1412



46.0688, 75.6435, 66.2054



46.7830, 75.6435, 113.1164

Triad

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



46.0688, 75.6435, 66.2054



81.9574, 75.6435, 195.3611



93.9469, 75.6435, 32.9141

Complementary

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



46.0688, 75.6435, 66.2054



41.9553, 21.5469, 5.6945

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.



104.6935, 75.6435, 57.7593



46.0688, 75.6435, 66.2054



97.1031, 75.6435, 154.4487

Square

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



46.0688, 75.6435, 66.2054



66.0084, 75.6435, 200.2710



105.9264, 75.6435, 100.9561



78.1256, 75.6435, 23.1756

Rectangle

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



46.0688, 75.6435, 66.2054



50.6608, 75.6435, 149.1678



105.9264, 75.6435, 100.9561



98.3662, 75.6435, 39.2456

Sweetspot

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



46.0696, 75.6439, 66.2068



69.6967, 87.2289, 94.2048



37.5957, 72.4663, 12.0072



14.3347, 18.3784, 19.7508



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.



46.0696, 75.6439, 66.2068



46.0679, 75.6432, 66.2007



35.8234, 42.7660, 100.9743



18.3740, 20.4091, 22.2725



24.1297, 39.5485, 34.8980



2.3896, 3.8668, 3.6096

Inverse Universe

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



41.9553, 21.5469, 5.6945



41.9540, 21.5456, 5.6899



43.3093, 25.3983, 2.6210



18.1727, 18.0524, 19.5264



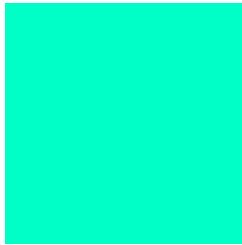
21.9668, 11.2760, 3.2097



2.1774, 1.1133, 0.5157

Previews

White Background



This preview shows how the XYZ color 46.0688, 75.6435, 66.2054 looks on a white background.

Color Contrast Check

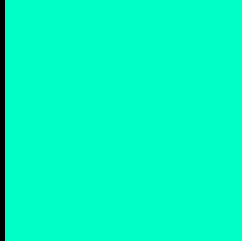
Large Text (above 18pt) WCAG AA × Fail

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 46.0688, 75.6435, 66.2054 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

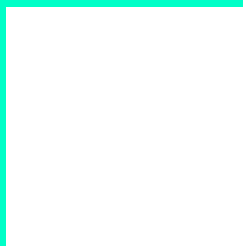
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0688, 75.6435, 66.2054

Background



This preview shows how black text looks on a background with the XYZ color 46.0688, 75.6435, 66.2054.

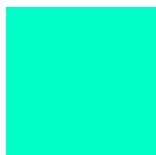


This preview shows how white text looks on a background with the XYZ color 46.0688, 75.6435,

Color Blindness Simulation

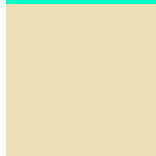
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



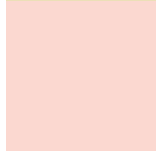
Original Color

46.0688, 75.6435, 66.2054



Protanopia

69.5270, 74.0271, 55.4239



Deuteranopia

75.7247, 74.1750, 70.0006



Tritanopia

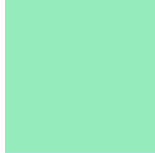
59.8575, 75.0291, 105.9350

Trichromacy



Original Color

46.0688, 75.6435, 66.2054



Protanomaly

51.4713, 69.5748, 58.8606



Deuteranomaly

53.8135, 68.4750, 68.1383



Tritanomaly

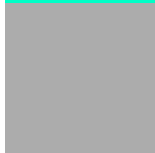
51.6723, 73.3777, 90.0372

Monochromacy



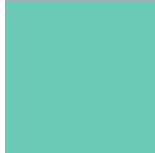
Original Color

46.0688, 75.6435, 66.2054



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.8707, 48.8697, 51.7982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0688, 75.6435, 66.2054 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, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 199)  
}
```

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, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.0688, 75.6435, 66.2054 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, 255, 199) }
```


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

```
.border{ border-color:rgb(0, 255, 199) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0688, 75.6435, 66.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 199) }
```

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

```
.background{ background-color: rgb(0, 255,  
199) }
```

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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