

# Converting Colors

XYZ(44.2650, 71.0947, 68.5061)

Have a look what the booklet for  
XYZ(44.2650, 71.0947, 68.5061)  
contains.

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# Color

**XYZ(44.1598, 70.8812,  
68.4807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F7CC
RGB	0, 247, 204
RGB Percent	0%, 97%, 80%
CMY	0.9998, 0.0314, 0.2000
CMYK	1.00, 0.00, 0.17, 0.03
HSL	170°, 100%, 48%
HSV	170°, 100%, 97%
XYZ	44.1598, 70.8812, 68.4807
YIQ	168.2450, -133.4090, -65.7370

# Conversions

## Conversions Part 2

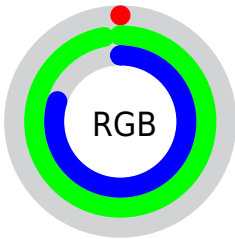
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 135, 247
Decimal	63436
CIELab	87.43, -58.55, 6.97
CIELCh	87, 58.963, 173.214
Yxy	70.8812, 0.2406, 0.3862
Android (android.graphics.Color)	4278253516 (0xFF00F7CC)
YUV	168.2450, 17.6272, -147.5509
Hunter-Lab	84.1910, -53.7075, 10.7074

# Details

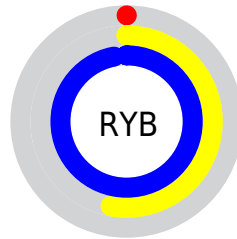
The XYZ color **44.1598, 70.8812, 68.4807** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **38.7964, 19.9504, 4.0955**, and the grayscale version is **37.3095, 39.2525, 42.7459**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **23.7026, 38.5972, 35.0549** is the 20% darker color. If you saturate the color by 10%, you get **44.1605, 70.8834, 68.4780**, and if you desaturate by 10%, it is **45.0790, 71.2963, 71.2557**.

# Distribution



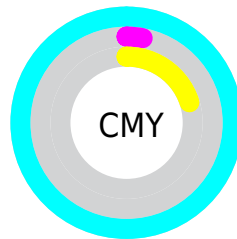
- Red (0%)
- Green (97%)
- Blue (80%)



- Red (0%)
- Yellow (53%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1598, 70.8812, 68.4807 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 44.1598, 70.8812, 68.4807 by changing the saturation by 10% instead.





 44.1598, 70.8812,  
68.4807


 44.1598, 70.8812,  
68.4807

354.2012,  
463.6380, 473.8415


 30.9946, 52.2453,  
49.8198


 80.7030, 120.4646,  
118.7003


 20.7465, 37.2006,  
34.9000


 104.8117,  
152.1807, 151.0960


 13.0503, 25.3628,  
23.3029


 133.2990,  
189.0258, 188.9071

 7.5404, 16.3476,  
14.6100

 166.5302,  
231.3841, 232.5520

 3.8516, 9.7705,  
8.4025

 204.8707,  
279.6401, 282.4494

 1.6185, 5.2470,  
4.2621

248.6857,

 0.4044, 2.3929,

334.1782, 339.0177

1.7702

298.3408,  
395.3827, 402.6756

■ 0.0000, 0.8222,  
0.4082

■ 0.0000, 0.0000,  
0.0000

■ 44.1598, 70.8812,  
68.4807

■ 44.1598, 70.8812,  
68.4807

■ 44.1605, 70.8834,  
68.4780

■ 45.0790, 71.2963,  
71.2557

■ 46.5099, 71.9719,  
74.1280

■ 48.6088, 72.9902,  
77.1072

■ 51.4687, 74.3991,  
80.1980

■ 55.1678, 76.2389,  
83.4048

■ 59.7743, 78.5448,  
86.7313

■ 65.3496, 81.3483,  
90.1809

■ 71.9493, 84.6783,  
93.7568

■ 79.6252, 88.5613,  
97.4619

# Harmonies

## Analogous

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



48.1494, 70.8812, 39.8116



44.1598, 70.8812, 68.4807



45.6685, 70.8812, 111.4580

# Triad

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



44.1598, 70.8812, 68.4807



78.4661, 70.8812, 171.0827



84.6792, 70.8812, 30.6679

# Complementary

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



44.1598, 70.8812, 68.4807



38.7964, 19.9504, 4.0955

# 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.



95.0449, 70.8812, 50.7632



44.1598, 70.8812, 68.4807



91.1270, 70.8812, 132.6980

# Square

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



44.1598, 70.8812, 68.4807



64.2611, 70.8812, 180.8903



97.5535, 70.8812, 86.5813



70.5786, 70.8812, 23.3855



# Rectangle

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



44.1598, 70.8812, 68.4807



49.7062, 70.8812, 142.3624



97.5535, 70.8812, 86.5813



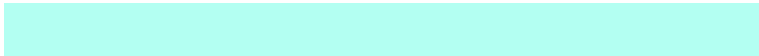
88.7905, 70.8812, 35.7296

# Sweetspot

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



44.1618, 70.8839, 68.4824



70.2140, 87.4358, 96.9285



34.3583, 67.0891, 11.1398



14.4595, 18.4283, 20.4080



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.



44.1618, 70.8839, 68.4824



47.4676, 76.2031, 73.5716



30.9401, 35.0169, 93.1271



16.8656, 18.7054, 20.5765



23.4014, 37.5054, 36.4631



2.0886, 3.3091, 3.3725



# Inverse Universe

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



38.7964, 19.9504, 4.0955



41.7022, 21.4449, 4.3639



41.1012, 25.2586, 2.7102



16.6169, 16.5296, 17.7291



20.5525, 10.5644, 2.3520

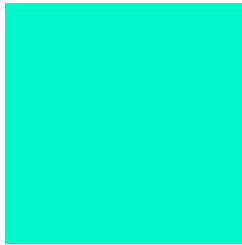


1.8389, 0.9415, 0.3781



# Previews

## White Background



This preview shows how the XYZ color 44.1598, 70.8812, 68.4807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

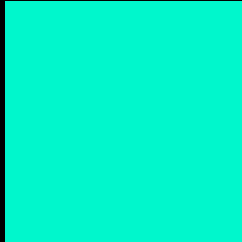
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.1598, 70.8812, 68.4807 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 44.1598, 70.8812, 68.4807**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1598, 70.8812, 68.4807.



This preview shows how white text looks on a background with the XYZ color 44.1598, 70.8812, 68.4807.



# Color Blindness Simulation

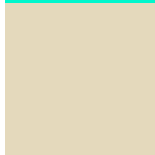
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



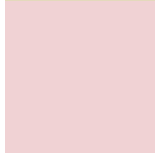
### Original Color

44.1598, 70.8812, 68.4807



### Protanopia

65.8849, 69.7505, 57.5676



### Deuteranopia

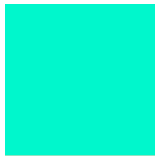
70.8654, 69.3719, 71.9425



## Tritanopia

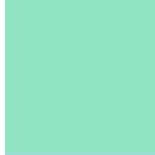
53.5897, 70.4977, 105.3907

# Trichromacy



## Original Color

44.1598, 70.8812, 68.4807



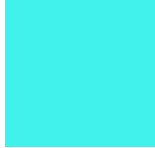
## Protanomaly

49.1581, 65.4016, 61.0718



## Deuteranomaly

51.0332, 64.1511, 70.0143



## Tritanomaly

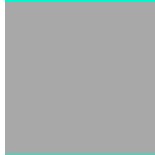
48.7100, 70.0567, 90.3119

# Monochromacy



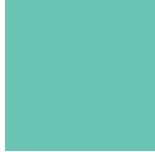
## Original Color

44.1598, 70.8812, 68.4807



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

34.3701, 46.3945, 50.8596

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1598, 70.8812, 68.4807 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1598, 70.8812, 68.4807 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, 204) }
```



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

```
.border{ border-color:rgb(0, 247, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1598, 70.8812, 68.4807 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, 204) }
```

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

```
.background{ background-color: rgb(0, 247,  
204) }
```

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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