

# Converting Colors

XYZ(43.0048, 70.5905, 61.8697)

Have a look what the booklet for  
XYZ(43.0048, 70.5905, 61.8697)  
contains.

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# Color

**XYZ(42.8864, 70.3718,  
61.7748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F7C1
RGB	0, 247, 193
RGB Percent	0%, 97%, 76%
CMY	0.9998, 0.0314, 0.2431
CMYK	1.00, 0.00, 0.22, 0.03
HSL	167°, 100%, 48%
HSV	167°, 100%, 97%
XYZ	42.8864, 70.3718, 61.7748
YIQ	166.9910, -129.8780, -69.1580

# Conversions

## Conversions Part 2

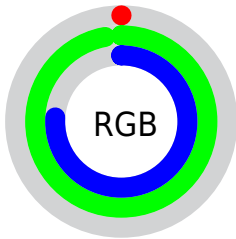
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 139, 247
Decimal	63425
CIELab	87.18, -61.24, 12.33
CIELCh	87, 62.466, 168.620
Yxy	70.3718, 0.2450, 0.4020
Android (android.graphics.Color)	4278253505 (0xFF00F7C1)
YUV	166.9910, 12.8224, -146.4511
Hunter-Lab	83.8879, -55.5484, 15.0606

# Details

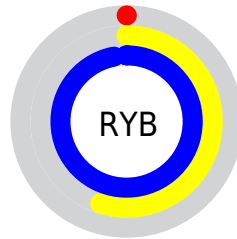
The XYZ color **42.8864, 70.3718, 61.7748** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **39.0264, 20.0425, 5.3069**, and the grayscale version is **36.7178, 38.6299, 42.0680**.

A 20% lighter version of the original color is **59.7983, 81.9370, 102.2862**, and **22.8578, 38.2593, 30.6061** is the 20% darker color. If you saturate the color by 10%, you get **42.8868, 70.3739, 61.7713**, and if you desaturate by 10%, it is **43.8961, 70.8232, 65.0268**.

# Distribution



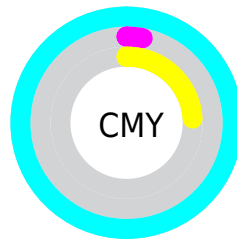
- Red (0%)
- Green (97%)
- Blue (76%)



- Red (0%)
- Yellow (55%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8864, 70.3718, 61.7748 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 42.8864, 70.3718, 61.7748 by changing the saturation by 10% instead.





 42.8864, 70.3718,  
61.7748


 42.8864, 70.3718,  
61.7748


349.0738,  
461.8544, 449.0941


 29.9901, 51.8297,  
44.4161


 78.7962, 119.7388,  
108.9684


 19.9791, 36.8694,  
30.6582


 102.5404,  
151.3325, 139.6405


 12.4880, 25.1064,  
20.0824


 130.6313,  
188.0455, 175.5874

 7.1515, 16.1563,  
12.2703

 163.4343,  
230.2623, 217.2277

 3.6042, 9.6348,  
6.8033

 201.3147,  
278.3672, 264.9800

 1.4808, 5.1575,  
3.2628

244.6378,

 0.3127, 2.3400,

332.7445, 319.2629

1.2303

293.7691,  
393.7788, 380.4947

■ 0.0000, 0.7947,  
0.0037

■ 0.0000, 0.0000,  
0.0000

■ 42.8864, 70.3718,  
61.7748

■ 42.8864, 70.3718,  
61.7748

■ 42.8868, 70.3739,  
61.7713

■ 43.8961, 70.8232,  
65.0268

■ 45.4256, 71.5382,  
68.4177

■ 47.6310, 72.5990,  
71.9575

■ 50.6055, 74.0538,  
75.6517

■ 54.4274, 75.9427,  
79.5050

■ 59.1651, 78.3010,  
83.5219

■ 64.8798, 81.1604,  
87.7063

■ 71.6277, 84.5497,  
92.0619

■ 79.4603, 88.4954,  
96.5922

# Harmonies

## Analogous

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



47.8891, 70.3718, 34.6928



42.8864, 70.3718, 61.7748



43.5750, 70.3718, 105.3929

# Triad

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



42.8864, 70.3718, 61.7748



76.2949, 70.3718, 181.3906



87.3004, 70.3718, 30.6138

# Complementary

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



42.8864, 70.3718, 61.7748



39.0264, 20.0425, 5.3069

# 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.



97.3075, 70.3718, 53.6321



42.8864, 70.3718, 61.7748



90.3409, 70.3718, 143.3236

# Square

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



42.8864, 70.3718, 61.7748



61.4781, 70.3718, 186.1174



98.4951, 70.3718, 93.6779



72.6027, 70.3718, 21.6072



# Rectangle

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



42.8864, 70.3718, 61.7748



47.1944, 70.3718, 138.8508



98.4951, 70.3718, 93.6779



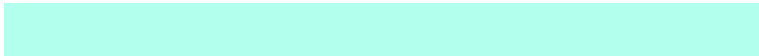
91.4111, 70.3718, 36.4782

# Sweetspot

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



42.8883, 70.3745, 61.7765



69.7077, 87.2333, 94.2625



34.9877, 67.4136, 11.1692



14.3373, 18.3795, 19.7647



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.



42.8883, 70.3745, 61.7765



46.0968, 75.6547, 66.3528



33.3434, 39.8234, 93.9282



16.8325, 18.6921, 20.4022



22.7358, 37.2392, 32.9582



2.0357, 3.2880, 3.0941



# Inverse Universe

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



39.0264, 20.0425, 5.3069



41.9479, 21.5432, 5.6579



40.3016, 23.6594, 2.4437



16.6474, 16.5418, 17.8900



20.6813, 10.6159, 3.0299

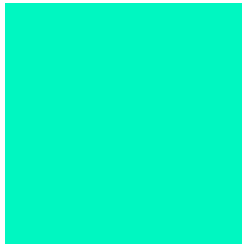


1.8545, 0.9478, 0.4601



# Previews

## White Background



This preview shows how the XYZ color 42.8864, 70.3718, 61.7748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

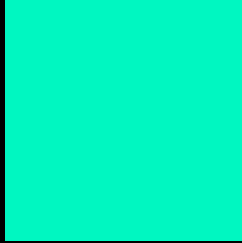
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.8864, 70.3718, 61.7748 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

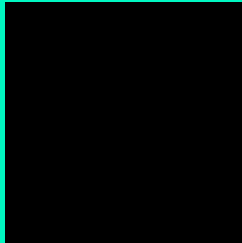
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.8864, 70.3718, 61.7748**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.8864, 70.3718, 61.7748.



This preview shows how white text looks on a background with the XYZ color 42.8864, 70.3718, 61.7748.



# Color Blindness Simulation

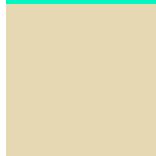
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

42.8864, 70.3718, 61.7748



### Protanopia

64.9048, 68.9841, 52.0139



### Deuteranopia

70.3052, 68.8727, 64.8466



## Tritanopia

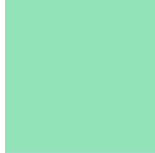
53.0535, 70.2213, 105.3656

# Trichromacy



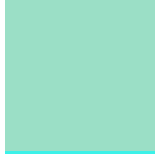
## Original Color

42.8864, 70.3718, 61.7748



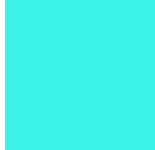
## Protanomaly

47.8704, 64.4681, 54.7203



## Deuteranomaly

50.0983, 63.8211, 63.1043



## Tritanomaly

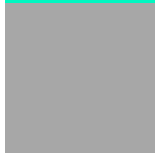
47.8843, 69.6974, 87.2731

# Monochromacy



## Original Color

42.8864, 70.3718, 61.7748



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

33.5203, 45.6786, 48.1244

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.8864, 70.3718, 61.7748 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 42.8864, 70.3718, 61.7748 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, 193) }
```



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

```
.border{ border-color:rgb(0, 247, 193) }
```

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, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.8864, 70.3718, 61.7748 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, 193) }
```

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

```
.background{ background-color: rgb(0, 247,  
193) }
```

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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