

Converting Colors

XYZ(41.8607, 65.9746, 68.6649)

Have a look what the booklet for
XYZ(41.8607, 65.9746, 68.6649)
contains.

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Color

**XYZ(42.0071, 66.1892,
68.9543)**

Conversions

Conversions Part 1	
Format	Color
Hex	00EFCE
RGB	0, 239, 206
RGB Percent	0%, 94%, 81%
CMY	0.9998, 0.0627, 0.1921
CMYK	1.00, 0.00, 0.14, 0.06
HSL	172°, 100%, 47%
HSV	172°, 100%, 94%
XYZ	42.0071, 66.1892, 68.9543
YIQ	163.7770, -131.8510, -60.9310

Conversions

Conversions Part 2

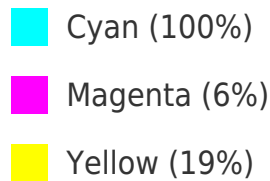
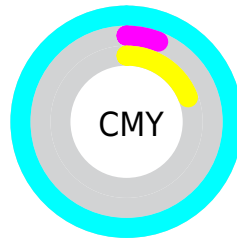
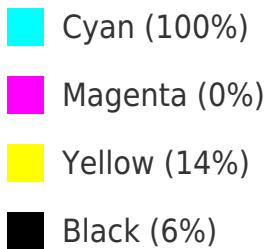
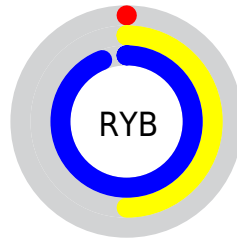
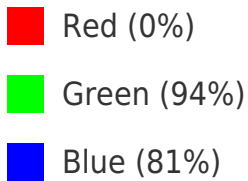
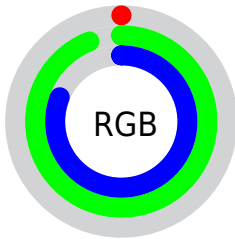
Format	Color
RYB	0, 128, 239
Decimal	61390
CIELab	85.09, -54.89, 2.55
CIELCh	85, 54.945, 177.342
Yxy	66.1892, 0.2371, 0.3736
Android (android.graphics.Color)	4278251470 (0xFF00EFCE)
YUV	163.7770, 20.8159, -143.6324
Hunter-Lab	81.3567, -50.2090, 6.6982

Details

The XYZ color **42.0071, 66.1892, 68.9543** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **35.8736, 18.4626, 3.1156**, and the grayscale version is **35.1378, 36.9676, 40.2578**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.3954, 35.7229, 35.4206** is the 20% darker color. If you saturate the color by 10%, you get **42.0075, 66.1911, 68.9513**, and if you desaturate by 10%, it is **42.7892, 66.5471, 71.1079**.

Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0071, 66.1892, 68.9543 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 42.0071, 66.1892, 68.9543 by changing the saturation by 10% instead.


 42.0071, 66.1892,
68.9543


 42.0071, 66.1892,
68.9543


345.5035,
447.0532, 475.5593


 29.2980, 48.4260,
50.2030


 77.4755, 113.7578,
119.3834


 19.4518, 34.1644,
35.2024


 100.9654,
144.3321, 151.8982

 12.1031, 23.0199,
23.5340


 128.7797,
179.9455, 189.8380

 6.8866, 14.6082,
14.7793

 161.2837,
220.9824, 233.6212

 3.4370, 8.5449,
8.5198

 198.8427,
267.8272, 283.6664

 1.3889, 4.4455,
4.3368


241.8221,


 0.2483, 1.9258,


320.8644, 340.3921


1.8119


290.5872,
380.4782, 404.2169


 0.0000, 0.5638,
0.4358


 0.0000, 0.0000,
0.0000


 42.0071, 66.1892,
68.9543


 42.0071, 66.1892,
68.9543


 42.0075, 66.1911,
68.9513


 42.7892, 66.5471,
71.1079


 44.0395, 67.1439,
73.3263


 45.9039, 68.0562,
75.6178


 48.4682, 69.3284,
77.9868

 51.8042, 70.9974,
80.4370

 55.9749, 73.0957,
82.9715

 61.0367, 75.6523,
85.5932

 67.0410, 78.6939,
88.3048

 74.0354, 82.2448,
91.1087

Harmonies

Analogous

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



44.9269, 66.1892, 41.1921



42.0071, 66.1892, 68.9543



44.0510, 66.1892, 108.1241

Triad

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



42.0071, 66.1892, 68.9543



74.4866, 66.1892, 151.1447



76.6463, 66.1892, 28.5696

Complementary

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



42.0071, 66.1892, 68.9543



35.8736, 18.4626, 3.1156

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.



86.5062, 66.1892, 45.0784



42.0071, 66.1892, 68.9543



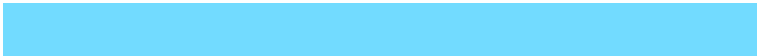
85.1488, 66.1892, 115.4579

Square

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



42.0071, 66.1892, 68.9543



61.8137, 66.1892, 163.8400



89.8032, 66.1892, 75.2757



64.0209, 66.1892, 23.1750

Rectangle

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



42.0071, 66.1892, 68.9543



48.1235, 66.1892, 134.7090



89.8032, 66.1892, 75.2757



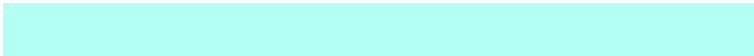
80.4539, 66.1892, 32.6681

Sweetspot

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



42.0090, 66.1917, 68.9559



70.6303, 87.6023, 99.1207



31.5917, 62.1084, 10.3245



14.5602, 18.4686, 20.9383



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.



42.0090, 66.1917, 68.9559



48.6494, 76.6758, 79.7946



27.3642, 29.7987, 85.9736



16.1480, 17.8892, 19.8022



23.2500, 36.5920, 38.2951



1.9598, 3.0544, 3.3208

Inverse Universe

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



35.8736, 18.4626, 3.1156



41.5466, 21.3826, 3.5446



38.7440, 24.6432, 2.7161



15.8617, 15.7944, 16.8279



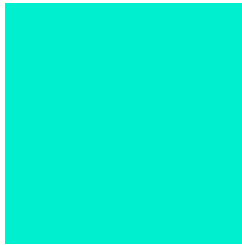
19.8508, 10.2128, 1.8650



1.6789, 0.8606, 0.3001

Previews

White Background



This preview shows how the XYZ color 42.0071, 66.1892, 68.9543 looks on a white background.

Color Contrast Check

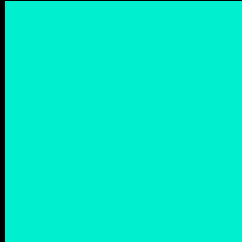
Large Text (above 18pt) WCAG AA × Fail

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 42.0071, 66.1892, 68.9543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

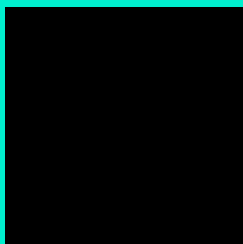
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

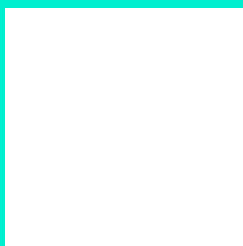
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0071, 66.1892, 68.9543

Background



This preview shows how black text looks on a background with the XYZ color 42.0071, 66.1892, 68.9543.



This preview shows how white text looks on a background with the XYZ color 42.0071, 66.1892,

Color Blindness Simulation

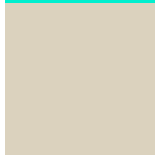
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



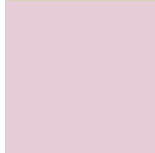
Original Color

42.0071, 66.1892, 68.9543



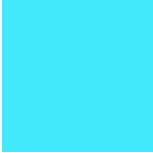
Protanopia

61.5543, 64.8710, 57.9923



Deuteranopia

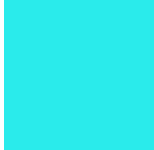
66.3636, 64.8638, 72.6405



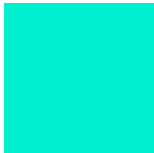
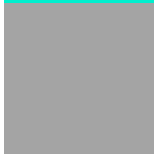
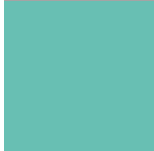
Tritanopia

48.7983, 66.4011, 101.5115

Trichromacy

	Original Color 42.0071, 66.1892, 68.9543
	Protanomaly 46.4677, 61.1874, 61.5858
	Deuteranomaly 48.4248, 60.4398, 70.7418
	Tritanomaly 45.6586, 65.9071, 88.9121

Monochromacy

	Original Color 42.0071, 66.1892, 68.9543
	Achromatopsia 35.2861, 37.1238, 40.4278
	Achromatomaly 32.4764, 43.4593, 49.3246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0071, 66.1892, 68.9543 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, 239, 206) looks like.

```
.text, #text, p{  
    color:rgb(0, 239, 206)  
}
```

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, 239, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 206) }
```

Border

The CSS property to change the border of an element to XYZ 42.0071, 66.1892, 68.9543 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, 239, 206) }
```


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

```
.border{ border-color:rgb(0, 239, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 239, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 239, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 239, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 239,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0071, 66.1892, 68.9543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 239, 206) }
```

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

```
.background{ background-color: rgb(0, 239,  
206) }
```

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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