

Converting Colors

XYZ(38.5192, 64.9812, 69.5311)

Have a look what the booklet for
XYZ(38.5192, 64.9812, 69.5311)
contains.

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Color

**XYZ(42.4226, 66.8252,
69.6941)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0CF
RGB	0, 240, 207
RGB Percent	0%, 94%, 81%
CMY	0.9998, 0.0588, 0.1882
CMYK	1.00, 0.00, 0.14, 0.06
HSL	172°, 100%, 47%
HSV	172°, 100%, 94%
XYZ	42.4226, 66.8252, 69.6941
YIQ	164.4780, -132.4470, -61.1430

Conversions

Conversions Part 2

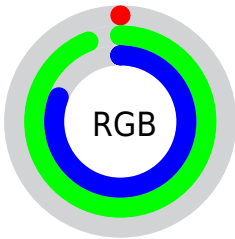
Format	Color
RYB	0, 129, 240
Decimal	61647
CIELab	85.42, -55.03, 2.49
CIELCh	85, 55.082, 177.407
Yxy	66.8252, 0.2371, 0.3734
Android (android.graphics.Color)	4278251727 (0xFF00F0CF)
YUV	164.4780, 20.9633, -144.2472
Hunter-Lab	81.7467, -50.4238, 6.6743

Details

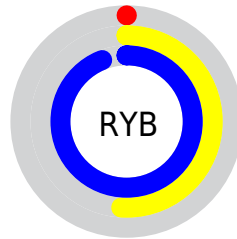
The XYZ color **42.4226, 66.8252, 69.6941** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **36.2122, 18.6371, 3.1313**, and the grayscale version is **35.4706, 37.3179, 40.6391**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.6833, 36.1669, 35.9224** is the 20% darker color. If you saturate the color by 10%, you get **42.4231, 66.8271, 69.6913**, and if you desaturate by 10%, it is **43.2097, 67.1854, 71.8614**.

Distribution



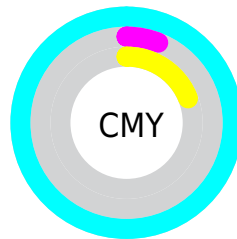
- Red (0%)
- Green (94%)
- Blue (81%)



- Red (0%)
- Yellow (51%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4226, 66.8252, 69.6941 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 42.4226, 66.8252, 69.6941 by changing the saturation by 10% instead.


 42.4226, 66.8252,
69.6941


 42.4226, 66.8252,
69.6941


347.1937,
449.3223, 478.2353


 29.6249, 48.9426,
50.8019


 78.1000, 114.6699,
120.4494


 19.7007, 34.5739,
35.6754


 101.7103,
145.4008, 153.1497


 12.2847, 23.3349,
23.8959


 129.6557,
181.1832, 191.2897

 7.0114, 14.8410,
15.0449

 162.3013,
222.4016, 235.2880

 3.5156, 8.7078,
8.7039

 200.0125,
269.4403, 285.5632

 1.4320, 4.5511,
4.4544

243.1548,

 0.2788, 1.9864,

322.6837, 342.5338

1.8778

292.0934,
382.5162, 406.6183

■ 0.0000, 0.5995,
0.4786

■ 0.0000, 0.0000,
0.0000

■ 42.4226, 66.8252,
69.6941

■ 42.4226, 66.8252,
69.6941

■ 42.4231, 66.8271,
69.6913

■ 43.2097, 67.1854,
71.8614

■ 44.4695, 67.7868,
74.0936

■ 46.3494, 68.7068,
76.3993

■ 48.9359, 69.9901,
78.7830

■ 52.3017, 71.6742,
81.2483

■ 56.5103, 73.7917,
83.7983

■ 61.6188, 76.3721,
86.4360

■ 67.6791, 79.4423,
89.1641

■ 74.7393, 83.0268,
91.9851

Harmonies

Analogous

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



45.3582, 66.8252, 41.6507



42.4226, 66.8252, 69.6941



44.4958, 66.8252, 109.2241

Triad

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



42.4226, 66.8252, 69.6941



75.2205, 66.8252, 152.4689



77.3465, 66.8252, 28.8434

Complementary

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



42.4226, 66.8252, 69.6941



36.2122, 18.6371, 3.1313

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.



87.3036, 66.8252, 45.4775



42.4226, 66.8252, 69.6941



85.9675, 66.8252, 116.4426

Square

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



42.4226, 66.8252, 69.6941



62.4351, 66.8252, 165.3375



90.6464, 66.8252, 75.9172



64.6079, 66.8252, 23.4185

Rectangle

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



42.4226, 66.8252, 69.6941



48.6121, 66.8252, 136.0292



90.6464, 66.8252, 75.9172



81.1901, 66.8252, 32.9720

Sweetspot

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



42.4245, 66.8278, 69.6957



70.6370, 87.6050, 99.1560



31.8905, 62.6983, 10.4226



14.5618, 18.4693, 20.9468



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.



42.4245, 66.8278, 69.6957



48.6688, 76.6835, 79.8970



27.6211, 30.0754, 86.7903



16.1484, 17.8894, 19.8043



23.2591, 36.5957, 38.3431



1.9605, 3.0546, 3.3243

Inverse Universe

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



36.2122, 18.6371, 3.1313



41.5444, 21.3818, 3.5331



39.1096, 24.8719, 2.7409



15.8613, 15.7942, 16.8259



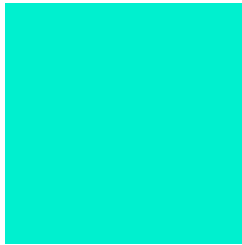
19.8497, 10.2123, 1.8590



1.6788, 0.8605, 0.2992

Previews

White Background



This preview shows how the XYZ color 42.4226, 66.8252, 69.6941 looks on a white background.

Color Contrast Check

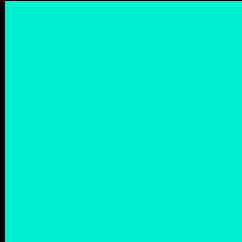
Large Text (above 18pt) WCAG AA × Fail

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 42.4226, 66.8252, 69.6941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

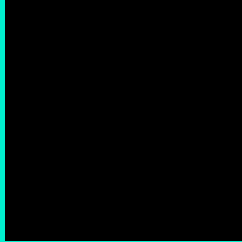
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

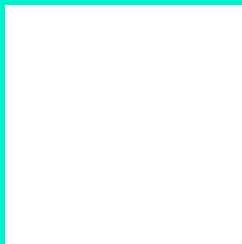
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4226, 66.8252, 69.6941

Background



This preview shows how black text looks on a background with the XYZ color 42.4226, 66.8252, 69.6941.

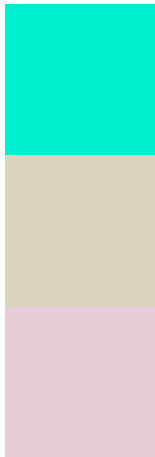


This preview shows how white text looks on a background with the XYZ color 42.4226, 66.8252,

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

42.4226, 66.8252, 69.6941

Protanopia

62.2134, 65.5658, 58.6667

Deuteranopia

66.7302, 65.3919, 73.3948



Tritanopia

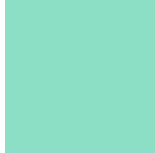
49.3992, 67.0957, 103.2757

Trichromacy



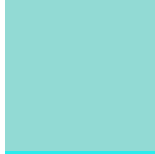
Original Color

42.4226, 66.8252, 69.6941



Protanomaly

47.0145, 61.8492, 62.2835



Deuteranomaly

48.8091, 61.0073, 71.4904



Tritanomaly

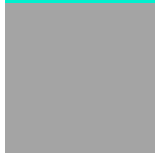
46.0906, 66.5393, 89.7710

Monochromacy



Original Color

42.4226, 66.8252, 69.6941



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.7968, 43.9376, 49.9323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4226, 66.8252, 69.6941 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, 240, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 207)  
}
```

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, 240, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.4226, 66.8252, 69.6941 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, 240, 207) }
```


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

```
.border{ border-color:rgb(0, 240, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4226, 66.8252, 69.6941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 207) }
```

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

```
.background{ background-color: rgb(0, 240,  
207) }
```

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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