

Converting Colors

XYZ(42.4779, 67.9165, 66.6892)

Have a look what the booklet for
XYZ(42.4779, 67.9165, 66.6892)
contains.

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Color

**XYZ(42.4128, 67.7685,
66.7224)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2CA
RGB	0, 242, 202
RGB Percent	0%, 95%, 79%
CMY	0.9998, 0.0510, 0.2078
CMYK	1.00, 0.00, 0.17, 0.05
HSL	170°, 100%, 47%
HSV	170°, 100%, 95%
XYZ	42.4128, 67.7685, 66.7224
YIQ	165.0820, -131.3920, -63.7440

Conversions

Conversions Part 2

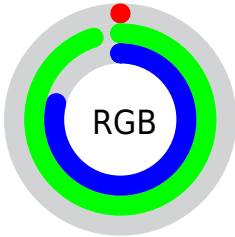
Format	Color
RYB	0, 132, 242
Decimal	62154
CIELab	85.89, -57.10, 5.80
CIELCh	86, 57.395, 174.204
Yxy	67.7685, 0.2398, 0.3831
Android (android.graphics.Color)	4278252234 (0xFF00F2CA)
YUV	165.0820, 18.2006, -144.7769
Hunter-Lab	82.3216, -52.0981, 9.5701

Details

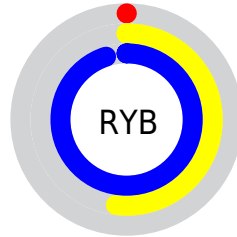
The XYZ color **42.4128, 67.7685, 66.7224** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **37.0035, 19.0324, 3.7350**, and the grayscale version is **35.7715, 37.6344, 40.9838**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.6943, 36.8360, 33.9309** is the 20% darker color. If you saturate the color by 10%, you get **42.4132, 67.7705, 66.7192**, and if you desaturate by 10%, it is **43.2767, 68.1600, 69.2697**.

Distribution



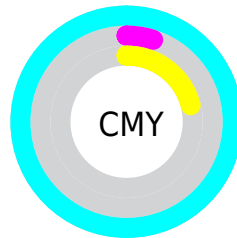
- Red (0%)
- Green (95%)
- Blue (79%)



- Red (0%)
- Yellow (52%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4128, 67.7685, 66.7224 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 42.4128, 67.7685, 66.7224 by changing the saturation by 10% instead.


 42.4128, 67.7685,
66.7224


 42.4128, 67.7685,
66.7224


347.1539,
452.6754, 467.4306

 29.6172, 49.7094,
48.3989


 78.0853, 116.0209,
116.1594


 19.6948, 35.1826,
33.7806


 101.6928,
146.9830, 148.1100

 12.2804, 23.8035,
22.4491


 129.6350,
183.0149, 185.4400

 7.0085, 15.1880,
13.9858

 162.2773,
224.5011, 228.5680

 3.5138, 8.9514,
7.9722

 199.9850,
271.8258, 277.9125

 1.4309, 4.7095,
3.9896

243.1234,

 0.2781, 2.0778,

325.3734, 333.8921

1.6197

292.0579,
385.5285, 396.9253

■ 0.0000, 0.6521,
0.3048

■ 0.0000, 0.0000,
0.0000

■ 42.4128, 67.7685,
66.7224

■ 42.4128, 67.7685,
66.7224

■ 42.4132, 67.7705,
66.7192

■ 43.2767, 68.1600,
69.2697

■ 44.6267, 68.7991,
71.9028

■ 46.6124, 69.7644,
74.6307

■ 49.3224, 71.1017,
77.4580

■ 52.8308, 72.8491,
80.3887

■ 57.2026, 75.0402,
83.4262

■ 62.4959, 77.7048,
86.5738

■ 68.7640, 80.8704,
89.8343

■ 76.0557, 84.5623,
93.2105

Harmonies

Analogous

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



46.0235, 67.7685, 39.0548



42.4128, 67.7685, 66.7224



44.0150, 67.7685, 107.5885

Triad

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



42.4128, 67.7685, 66.7224



75.3299, 67.7685, 161.3644



80.3406, 67.7685, 29.2989

Complementary

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



42.4128, 67.7685, 66.7224



37.0035, 19.0324, 3.7350

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.



90.2999, 67.7685, 47.9316



42.4128, 67.7685, 66.7224



87.1427, 67.7685, 124.6899

Square

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



42.4128, 67.7685, 66.7224



61.8950, 67.7685, 171.6643



92.9442, 67.7685, 81.3364



66.9962, 67.7685, 22.6888

Rectangle

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



42.4128, 67.7685, 66.7224



47.9517, 67.7685, 136.5713



92.9442, 67.7685, 81.3364



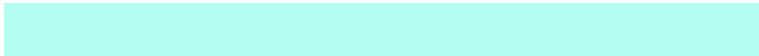
84.2642, 67.7685, 33.9778

Sweetspot

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



42.4147, 67.7711, 66.7240



70.3151, 87.4763, 97.4610



32.6431, 63.9652, 10.6274



14.4839, 18.4381, 20.5367



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.



42.4147, 67.7711, 66.7240



47.7502, 76.3161, 75.0596



28.8344, 32.0239, 88.6688



16.1286, 17.8815, 19.7000



22.8277, 36.4231, 36.0710



1.9286, 3.0419, 3.1564

Inverse Universe

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



37.0035, 19.0324, 3.7350



41.6608, 21.4283, 4.1456



39.5395, 24.7181, 2.6884



15.8794, 15.8015, 16.9211



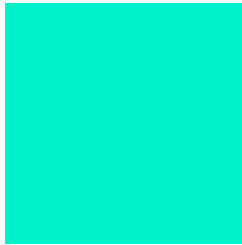
19.9104, 10.2366, 2.1786



1.6873, 0.8640, 0.3442

Previews

White Background



This preview shows how the XYZ color 42.4128, 67.7685, 66.7224 looks on a white background.

Color Contrast Check

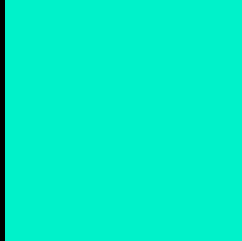
Large Text (above 18pt) WCAG AA × Fail

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 42.4128, 67.7685, 66.7224 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

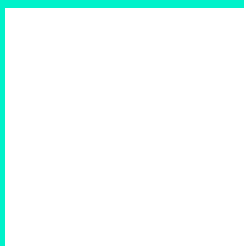
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4128, 67.7685, 66.7224

Background



This preview shows how black text looks on a background with the XYZ color 42.4128, 67.7685, 66.7224.

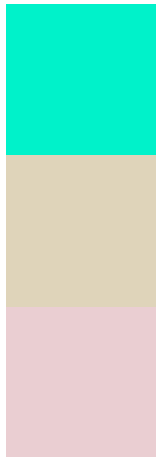


This preview shows how white text looks on a background with the XYZ color 42.4128, 67.7685,

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

42.4128, 67.7685, 66.7224

Protanopia

62.8378, 66.3201, 55.9435

Deuteranopia

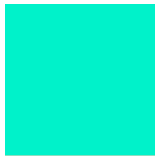
67.6358, 66.2882, 70.2029



Tritanopia

50.0520, 67.8376, 104.2219

Trichromacy



Original Color

42.4128, 67.7685, 66.7224



Protanomaly

47.0574, 62.3319, 59.4202



Deuteranomaly

48.9884, 61.5576, 68.3313



Tritanomaly

46.6086, 67.6827, 89.2048

Monochromacy



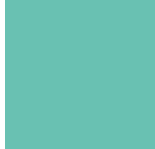
Original Color

42.4128, 67.7685, 66.7224



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.9315, 44.3575, 48.9457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4128, 67.7685, 66.7224 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, 242, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 202)  
}
```

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, 242, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 202) }
```

Border

The CSS property to change the border of an element to XYZ 42.4128, 67.7685, 66.7224 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, 242, 202) }
```


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

```
.border{ border-color:rgb(0, 242, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4128, 67.7685, 66.7224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 202) }
```

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

```
.background{ background-color: rgb(0, 242,  
202) }
```

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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