

Converting Colors

XYZ(33.3985, 66.0070, 56.5372)

Have a look what the booklet for
XYZ(33.3985, 66.0070, 56.5372)
contains.

XYZ(42.2191, 70.5955, 56.7485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.2191, 70.5955,
56.7485)**

Conversions

Conversions Part 1

Format	Color
Hex	00F8B8
RGB	0, 248, 184
RGB Percent	0%, 97%, 72%
CMY	0.9999, 0.0274, 0.2784
CMYK	1.00, 0.00, 0.26, 0.03
HSL	165°, 100%, 49%
HSV	165°, 100%, 97%
XYZ	42.2191, 70.5955, 56.7485
YIQ	166.5520, -127.2640, -72.4800

Conversions

Conversions Part 2

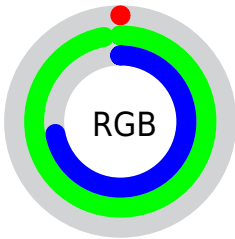
Format	Color
RYB	0, 142, 248
Decimal	63672
CIELab	87.29, -63.71, 17.13
CIELCh	87, 65.971, 164.949
Yxy	70.5955, 0.2490, 0.4163
Android (android.graphics.Color)	4278253752 (0xFF00F8B8)
YUV	166.5520, 8.6019, -146.0661
Hunter-Lab	84.0211, -57.3439, 18.7699

Details

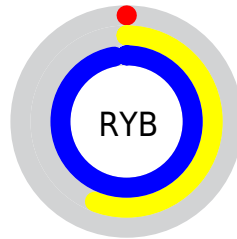
The XYZ color **42.2191, 70.5955, 56.7485** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **39.6396, 20.3285, 6.6903**, and the grayscale version is **36.5223, 38.4243, 41.8441**.

A 20% lighter version of the original color is **58.4276, 81.3887, 95.0682**, and **22.5102, 38.4656, 27.7109** is the 20% darker color. If you saturate the color by 10%, you get **42.2197, 70.5977, 56.7454**, and if you desaturate by 10%, it is **43.3039, 71.0772, 60.3835**.

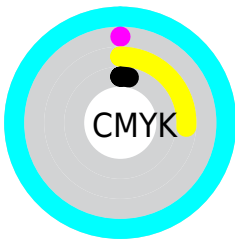
Distribution



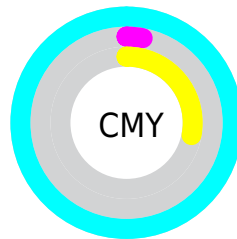
- Red (0%)
- Green (97%)
- Blue (72%)



- Red (0%)
- Yellow (56%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2191, 70.5955, 56.7485 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 42.2191, 70.5955, 56.7485 by changing the saturation by 10% instead.


 42.2191, 70.5955,
56.7485


 42.2191, 70.5955,
56.7485


346.3666,
462.6382, 429.9735


 29.4647, 52.0122,
40.3953


 77.7942, 120.0576,
101.5948


 19.5787, 37.0148,
27.5308


 101.3457,
151.7051, 130.9250

 12.1957, 25.2189,
17.7363

 129.2269,
188.4762, 165.4180

 6.9502, 16.2402,
10.5934

 161.8032,
230.7552, 205.4924

 3.4770, 9.6943,
5.6834

 199.4400,
278.9265, 251.5665

 1.4108, 5.1968,
2.5879

242.5025,

 0.2639, 2.3632,

333.3745, 304.0591

0.8862

291.3563,
394.4836, 363.3886

■ 0.0000, 0.8068,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2191, 70.5955,
56.7485

■ 42.2191, 70.5955,
56.7485

■ 42.2197, 70.5977,
56.7454

■ 43.3039, 71.0772,
60.3835

■ 44.9217, 71.8284,
64.2025

■ 47.2302, 72.9320,
68.2163

■ 50.3238, 74.4367,
72.4313

■ 54.2815, 76.3832,
76.8533

■ 59.1727, 78.8072,
81.4872

■ 65.0595, 81.7407,
86.3379

■ 71.9984, 85.2128,
91.4098

■ 80.0418, 89.2504,
96.7072

Harmonies

Analogous

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



48.1549, 70.5955, 30.8732



42.2191, 70.5955, 56.7485



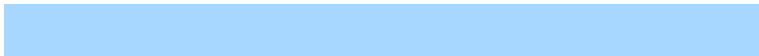
42.2090, 70.5955, 101.0757

Triad

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



42.2191, 70.5955, 56.7485



75.0912, 70.5955, 192.4668



90.5010, 70.5955, 30.9319

Complementary

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



42.2191, 70.5955, 56.7485



39.6396, 20.3285, 6.6903

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.



100.2406, 70.5955, 56.8689



42.2191, 70.5955, 56.7485



90.4550, 70.5955, 154.5628

Square

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



42.2191, 70.5955, 56.7485



59.6473, 70.5955, 192.3940



100.2226, 70.5955, 101.2526



75.1467, 70.5955, 20.3638

Rectangle

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



42.2191, 70.5955, 56.7485



45.4990, 70.5955, 136.9220



100.2226, 70.5955, 101.2526



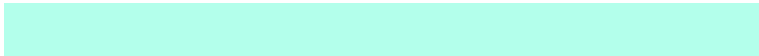
94.6380, 70.5955, 37.5807

Sweetspot

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



42.2210, 70.5983, 56.7502



69.2673, 87.0572, 91.9436



35.8263, 68.3011, 11.2962



14.2313, 18.3371, 19.2067



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.



42.2210, 70.5983, 56.7502



44.9653, 75.2021, 60.3944



35.3890, 43.6672, 95.3736



17.5633, 19.5276, 21.1667



22.8665, 38.1596, 30.9698



2.1609, 3.5515, 3.0952

Inverse Universe

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



39.6396, 20.3285, 6.6903



42.2180, 21.6512, 7.0798



40.2207, 22.9726, 2.3152



17.4284, 17.2987, 18.8460



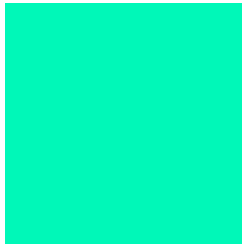
21.4601, 10.9997, 3.8652



2.0288, 1.0353, 0.5751

Previews

White Background



This preview shows how the XYZ color 42.2191, 70.5955, 56.7485 looks on a white background.

Color Contrast Check

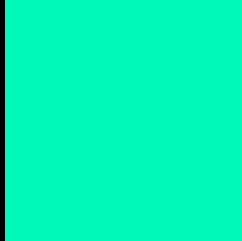
Large Text (above 18pt) WCAG AA × Fail

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 42.2191, 70.5955, 56.7485 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

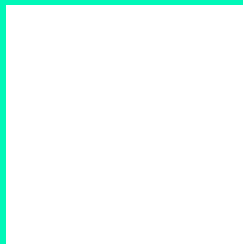
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2191, 70.5955, 56.7485

Background



This preview shows how black text looks on a background with the XYZ color 42.2191, 70.5955, 56.7485.



This preview shows how white text looks on a background with the XYZ color 42.2191, 70.5955,

Color Blindness Simulation

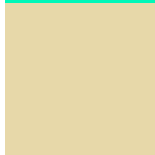
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



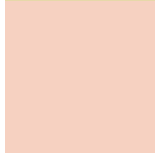
Original Color

42.2191, 70.5955, 56.7485



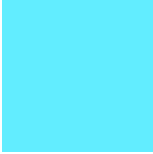
Protanopia

64.6723, 68.9652, 47.4391



Deuteranopia

70.4321, 69.0440, 60.0667



Tritanopia

53.3712, 70.3850, 105.3805

Trichromacy



Original Color

42.2191, 70.5955, 56.7485



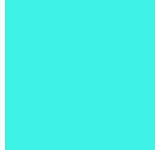
Protanomaly

47.4160, 64.7458, 50.0425



Deuteranomaly

49.5866, 63.6612, 58.3895



Tritanomaly

47.5848, 69.5919, 85.0533

Monochromacy



Original Color

42.2191, 70.5955, 56.7485



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.2266, 45.5612, 46.5781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2191, 70.5955, 56.7485 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, 248, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 184)  
}
```

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, 248, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 184) }
```

Border

The CSS property to change the border of an element to XYZ 42.2191, 70.5955, 56.7485 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, 248, 184) }
```


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

```
.border{ border-color:rgb(0, 248, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 248, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 248,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2191, 70.5955, 56.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 184) }
```

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

```
.background{ background-color: rgb(0, 248,  
184) }
```

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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