

Converting Colors

XYZ(42.8583, 71.3826, 56.8668)

Have a look what the booklet for
XYZ(42.8583, 71.3826, 56.8668)
contains.

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Color

**XYZ(42.8583, 71.3826,
56.8668)**

Conversions

Conversions Part 1

Format	Color
Hex	16F9B8
RGB	22, 249, 184
RGB Percent	9%, 98%, 72%
CMY	0.9136, 0.0235, 0.2784
CMYK	0.91, 0.00, 0.26, 0.02
HSL	163°, 95%, 53%
HSV	163°, 91%, 98%
XYZ	42.8583, 71.3826, 56.8668
YIQ	173.7170, -114.4270, -68.3390

Conversions

Conversions Part 2

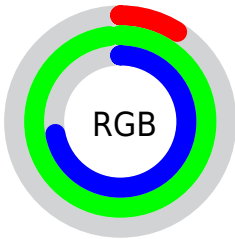
Format	Color
R _Y B	22, 154, 249
Decimal	1505720
CIE Lab	87.67, -63.44, 17.68
CIE LCh	88, 65.858, 164.428
Yxy	71.3826, 0.2505, 0.4172
Android (android.graphics.Color)	4279695800 (0xFF16F9B8)
YUV	173.7170, 5.0695, -133.0558
Hunter-Lab	84.4882, -57.3068, 19.2352

Details

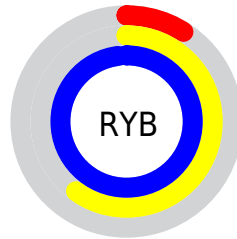
The XYZ color **42.8583, 71.3826, 56.8668** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **41.0769, 21.4036, 10.9882**, and the grayscale version is **40.1080, 42.1967, 45.9523**.

A 20% lighter version of the original color is **58.9594, 81.6628, 95.0931**, and **22.7275, 38.9003, 27.7834** is the 20% darker color. If you saturate the color by 10%, you get **41.8823, 70.9559, 53.4480**, and if you desaturate by 10%, it is **44.4642, 72.1237, 60.9448**.

Distribution



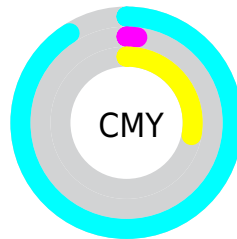
- Red (9%)
- Green (98%)
- Blue (72%)



- Red (9%)
- Yellow (60%)
- Blue (98%)



- Cyan (91%)
- Magenta (0%)
- Yellow (26%)
- Black (2%)





- Cyan (91%)
- Magenta (2%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8583, 71.3826, 56.8668 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 42.8583, 71.3826, 56.8668 by changing the saturation by 10% instead.


 42.8583, 71.3826,
56.8668

 42.8583, 71.3826,
56.8668

348.9601,
465.3898, 430.4298


 29.9680, 52.6545,
40.4897


 78.7540, 121.1783,
101.7692


 19.9622, 37.5270,
27.6038


 102.4902,
153.0148, 131.1316


 12.4757, 25.6158,
17.7908

 130.5723,
189.9894, 165.6594

 7.1430, 16.5364,
10.6320

 163.3657,
232.4867, 205.7713

 3.5988, 9.9045,
5.7089

 201.2359,
280.8909, 251.8857

 1.4778, 5.3357,
2.6030

244.5481,

 0.3106, 2.4456,

335.5866, 304.4212

0.8940

293.6677,
396.9581, 363.7964

■ 0.0000, 0.8492,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8583, 71.3826,
56.8668

■ 42.8583, 71.3826,
56.8668

■ 41.8823, 70.9559,
53.4480


■ 44.4642, 72.1237,
60.9448


■ 46.7597, 73.2141,
65.2531


■ 49.8444, 74.7069,
69.8005


■ 53.7998, 76.6440,
74.5937

 58.6971, 79.0620,
79.6386

 64.5998, 81.9937,
84.9407

 71.5659, 85.4689,
90.5054

 79.6487, 89.5151,
96.3375

 88.8981, 94.1578,
102.4419

Harmonies

Analogous

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



48.9397, 71.3826, 31.0984



42.8583, 71.3826, 56.8668



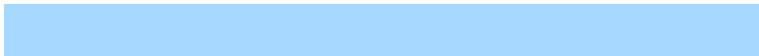
42.7444, 71.3826, 101.1558

Triad

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



42.8583, 71.3826, 56.8668



75.5995, 71.3826, 194.1475



91.6033, 71.3826, 31.7612

Complementary

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



42.8583, 71.3826, 56.8668



41.0769, 21.4036, 10.9882

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.



101.2431, 71.3826, 58.2218



42.8583, 71.3826, 56.8668



91.0873, 71.3826, 156.6351

Square

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



42.8583, 71.3826, 56.8668



60.1086, 71.3826, 193.3318



101.0409, 71.3826, 103.1424



76.2226, 71.3826, 20.8628

Rectangle

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



42.8583, 71.3826, 56.8668



45.9896, 71.3826, 137.1176



101.0409, 71.3826, 103.1424



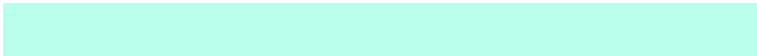
95.7204, 71.3826, 38.5664

Sweetspot

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



42.8602, 71.3854, 56.8685



71.0825, 87.9924, 92.0497



38.2497, 69.9913, 12.2539



14.6983, 18.5767, 19.2779



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.



42.8602, 71.3854, 56.8685



44.2009, 74.8964, 56.3691



38.9305, 50.0100, 97.2268



17.5415, 19.5189, 21.0519



22.4825, 38.0060, 28.9478



2.1280, 3.5383, 2.9217

Inverse Universe

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



41.0769, 21.4036, 10.9882



42.4434, 21.7414, 8.2672



41.2455, 24.2627, 3.2695



17.4490, 17.3069, 18.9540



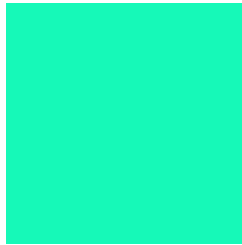
21.5787, 11.0472, 4.4898



2.0421, 1.0406, 0.6454

Previews

White Background



This preview shows how the XYZ color 42.8583, 71.3826, 56.8668 looks on a white background.

Color Contrast Check

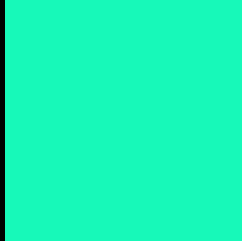
Large Text (above 18pt) WCAG AA × Fail

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 42.8583, 71.3826, 56.8668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

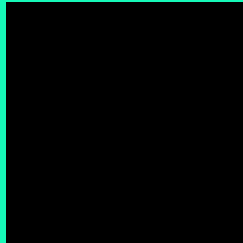
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8583, 71.3826, 56.8668

Background



This preview shows how black text looks on a background with the XYZ color 42.8583, 71.3826, 56.8668.

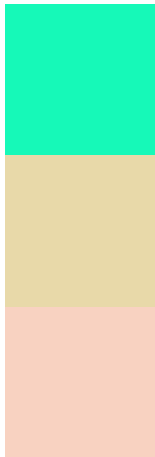


This preview shows how white text looks on a background with the XYZ color 42.8583, 71.3826, 56.8668.

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

42.8583, 71.3826, 56.8668

Protanopia

65.2530, 69.6461, 47.5400

Deuteranopia

71.3836, 69.8999, 60.1818



Tritanopia

54.2780, 70.8525, 105.4229

Trichromacy



Original Color

42.8583, 71.3826, 56.8668



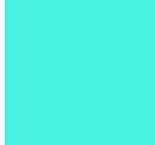
Protanomaly

49.3696, 66.1625, 50.2130



Deuteranomaly

51.6758, 65.1360, 58.5641



Tritanomaly

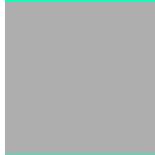
48.4998, 70.0636, 85.0962

Monochromacy



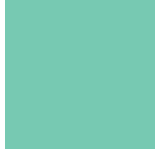
Original Color

42.8583, 71.3826, 56.8668



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.5303, 48.9096, 49.6346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8583, 71.3826, 56.8668 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(22, 249, 184)` looks like.

```
.text, #text, p{  
    color:rgb(22, 249, 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(22, 249, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 249, 184) }
```

Border

The CSS property to change the border of an element to XYZ 42.8583, 71.3826, 56.8668 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(22, 249, 184) }
```


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

```
.border{ border-color:rgb(22, 249, 184) }
```

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

Here you see how a box with a 4 pixel rgb(22, 249, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 249, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 249, 184);  
box-shadow:4px 4px 4px 4px rgb(22, 249,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8583, 71.3826, 56.8668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 249, 184) }
```

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

```
.background{ background-color: rgb(22, 249,  
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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