

Converting Colors

XYZ(42.2660, 70.6377, 56.7859)

Have a look what the booklet for
XYZ(42.2660, 70.6377, 56.7859)
contains.

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Color

**XYZ(42.2442, 70.6084,
56.7497)**

Conversions

Conversions Part 1

Format	Color
Hex	02F8B8
RGB	2, 248, 184
RGB Percent	1%, 97%, 72%
CMY	0.9920, 0.0274, 0.2784
CMYK	0.99, 0.00, 0.26, 0.03
HSL	164°, 98%, 49%
HSV	164°, 99%, 97%
XYZ	42.2442, 70.6084, 56.7497
YIQ	167.1500, -126.0720, -72.0560

Conversions

Conversions Part 2

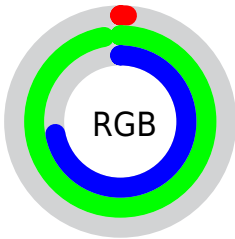
Format	Color
R_{YB}	2, 143, 248
Decimal	194744
CIE _{Lab}	87.29, -63.66, 17.14
CIE _{LCh}	87, 65.927, 164.930
Yxy	70.6084, 0.2491, 0.4163
Android (android.graphics.Color)	4278384824 (0xFF02F8B8)
YUV	167.1500, 8.3070, -144.8366
Hunter-Lab	84.0288, -57.3123, 18.7781

Details

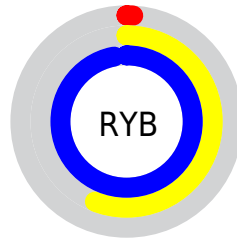
The XYZ color **42.2442, 70.6084, 56.7497** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **39.7195, 20.3953, 7.0039**, and the grayscale version is **36.8152, 38.7324, 42.1796**.

A 20% lighter version of the original color is **58.5584, 81.4561, 95.0743**, and **22.5102, 38.4656, 27.7109** is the 20% darker color. If you saturate the color by 10%, you get **42.1650, 70.5758, 56.4576**, and if you desaturate by 10%, it is **43.3605, 71.1057, 60.4161**.

Distribution



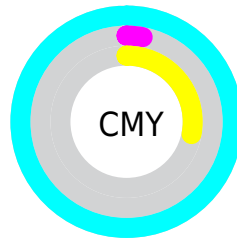
- Red (1%)
- Green (97%)
- Blue (72%)



- Red (1%)
- Yellow (56%)
- Blue (97%)



- Cyan (99%)
- Magenta (0%)
- Yellow (26%)
- Black (3%)





- Cyan (99%)
- Magenta (3%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2442, 70.6084, 56.7497 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 42.2442, 70.6084, 56.7497 by changing the saturation by 10% instead.

 42.2442, 70.6084,
56.7497


 42.2442, 70.6084,
56.7497

346.4687,
462.6833, 429.9782


 29.4845, 52.0227,
40.3963


 77.8319, 120.0760,
101.5966

 19.5938, 37.0232,
27.5315

 101.3907,
151.7266, 130.9271


 12.2066, 25.2254,
17.7369


 129.2798,
188.5010, 165.4205

 6.9578, 16.2451,
10.5938

 161.8647,
230.7836, 205.4952

 3.4818, 9.6977,
5.6837

 199.5106,
278.9587, 251.5698

 1.4134, 5.1990,
2.5880

242.5830,

 0.2657, 2.3645,

333.4108, 304.0628

0.8863

291.4473,
394.5242, 363.3927

■ 0.0000, 0.8075,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2442, 70.6084,
56.7497

■ 42.2442, 70.6084,
56.7497

■ 42.1650, 70.5758,
56.4576

■ 43.3605, 71.1057,
60.4161

■ 45.0340, 71.8848,
64.2701

■ 47.4070, 73.0209,
68.3222

■ 50.5724, 74.5618,
72.5786

■ 54.6084, 76.5478,
77.0449

■ 59.5837, 79.0142,
81.7264

■ 65.5598, 81.9927,
86.6277

■ 72.5929, 85.5122,
91.7535

■ 80.7352, 89.5997,
97.1079

Harmonies

Analogous

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



48.1817, 70.6084, 30.8920



42.2442, 70.6084, 56.7497



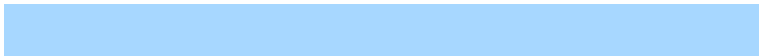
42.2303, 70.6084, 101.0418

Triad

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



42.2442, 70.6084, 56.7497



75.0885, 70.6084, 192.4041



90.5072, 70.6084, 30.9727

Complementary

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



42.2442, 70.6084, 56.7497



39.7195, 20.3953, 7.0039

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.



100.2347, 70.6084, 56.9150



42.2442, 70.6084, 56.7497



90.4441, 70.6084, 154.5525

Square

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



42.2442, 70.6084, 56.7497



59.6545, 70.6084, 192.3042



100.2100, 70.6084, 101.2846



75.1646, 70.6084, 20.3955

Rectangle

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



42.2442, 70.6084, 56.7497



45.5167, 70.6084, 136.8601



100.2100, 70.6084, 101.2846



94.6399, 70.6084, 37.6243

Sweetspot

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



42.2461, 70.6112, 56.7514



69.2440, 87.0478, 91.8209



35.9380, 68.3574, 11.3588



14.2257, 18.3348, 19.1773



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.



42.2461, 70.6112, 56.7514



44.9070, 75.1788, 60.0876



35.5158, 43.8835, 95.4086



17.5616, 19.5269, 21.1581



22.8372, 38.1479, 30.8158



2.1584, 3.5505, 3.0821

Inverse Universe

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



39.7195, 20.3953, 7.0039



42.2338, 21.6575, 7.1633



40.3102, 23.1341, 2.3993



17.4300, 17.2993, 18.8540



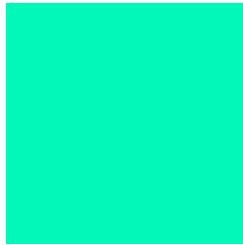
21.4684, 11.0031, 3.9092



2.0298, 1.0356, 0.5802

Previews

White Background



This preview shows how the XYZ color 42.2442, 70.6084, 56.7497 looks on a white background.

Color Contrast Check

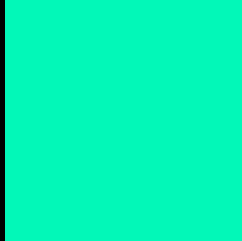
Large Text (above 18pt) WCAG AA × Fail

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 42.2442, 70.6084, 56.7497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

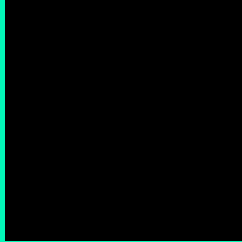
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2442, 70.6084, 56.7497

Background



This preview shows how black text looks on a background with the XYZ color 42.2442, 70.6084, 56.7497.



This preview shows how white text looks on a background with the XYZ color 42.2442, 70.6084,

Color Blindness Simulation

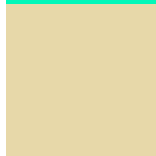
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.2442, 70.6084, 56.7497



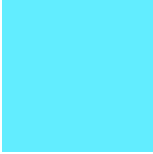
Protanopia

64.6723, 68.9652, 47.4391



Deuteranopia

70.4321, 69.0440, 60.0667



Tritanopia

53.3712, 70.3850, 105.3805

Trichromacy



Original Color

42.2442, 70.6084, 56.7497



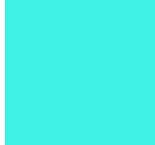
Protanomaly

47.5961, 64.8387, 50.0509



Deuteranomaly

49.5866, 63.6612, 58.3895



Tritanomaly

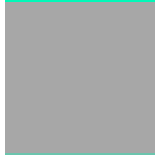
47.6481, 69.6245, 85.0563

Monochromacy



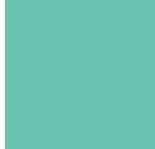
Original Color

42.2442, 70.6084, 56.7497



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.3462, 45.6228, 46.5837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2442, 70.6084, 56.7497 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(2, 248, 184)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 248, 184) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 42.2442, 70.6084, 56.7497 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(2, 248, 184) }
```


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

```
.border{ border-color:rgb(2, 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(2, 248, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 248, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 248, 184);  
box-shadow:4px 4px 4px 4px rgb(2, 248,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2442, 70.6084, 56.7497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 248, 184) }
```

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

```
.background{ background-color: rgb(2, 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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