

Converting Colors

XYZ(41.5397, 67.5384, 61.7576)

Have a look what the booklet for
XYZ(41.5397, 67.5384, 61.7576)
contains.

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Color

**XYZ(41.4897, 67.3993,
61.8616)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2C2
RGB	0, 242, 194
RGB Percent	0%, 95%, 76%
CMY	0.9999, 0.0510, 0.2392
CMYK	1.00, 0.00, 0.20, 0.05
HSL	168°, 100%, 47%
HSV	168°, 100%, 95%
XYZ	41.4897, 67.3993, 61.8616
YIQ	164.1700, -128.8240, -66.2320

Conversions

Conversions Part 2

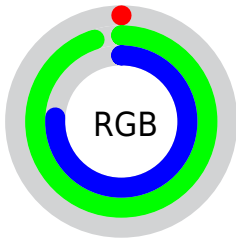
Format	Color
RYB	0, 134, 242
Decimal	62146
CIELab	85.71, -59.10, 9.71
CIELCh	86, 59.887, 170.672
Yxy	67.3993, 0.2430, 0.3947
Android (android.graphics.Color)	4278252226 (0xFF00F2C2)
YUV	164.1700, 14.7062, -143.9771
Hunter-Lab	82.0971, -53.4607, 12.7919

Details

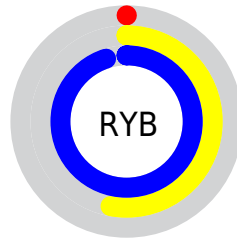
The XYZ color **41.4897, 67.3993, 61.8616** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **37.1540, 19.0924, 4.5275**, and the grayscale version is **35.3497, 37.1907, 40.5006**.

A 20% lighter version of the original color is **59.8254, 81.9328, 103.1040**, and **22.0826, 36.5914, 30.7099** is the 20% darker color. If you saturate the color by 10%, you get **41.4903, 67.4013, 61.8588**, and if you desaturate by 10%, it is **42.4216, 67.8180, 64.7673**.

Distribution



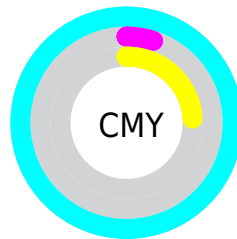
- Red (0%)
- Green (95%)
- Blue (76%)



- Red (0%)
- Yellow (53%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4897, 67.3993, 61.8616 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 41.4897, 67.3993, 61.8616 by changing the saturation by 10% instead.


 41.4897, 67.3993,
61.8616


 41.4897, 67.3993,
61.8616

343.3909,
451.3648, 449.4198


 28.8913, 49.4092,
44.4858


 76.6967, 115.4924,
109.0951


 19.1425, 34.9442,
30.7126


 100.0361,
146.3641, 139.7900


 11.8779, 23.6199,
20.1235


 127.6864,
182.2986, 175.7615

 6.7322, 15.0519,
12.2999

 160.0132,
223.6801, 217.4284

 3.3400, 8.8558,
6.8232

 197.3816,
270.8931, 265.2092

 1.3360, 4.6473,
3.2750

240.1571,

 0.2099, 2.0418,

324.3219, 319.5223

1.2367

288.7051,
384.3510, 380.7863

■ 0.0000, 0.6316,
0.0091

■ 0.0000, 0.0000,
0.0000

■ 41.4897, 67.3993,
61.8616

■ 41.4897, 67.3993,
61.8616

■ 41.4903, 67.4013,
61.8588

■ 42.4216, 67.8180,
64.7673

■ 43.8446, 68.4863,
67.7863

■ 45.9086, 69.4829,
70.9279

■ 48.7022, 70.8536,
74.1970

■ 52.2996, 72.6366,
77.5980

■ 56.7659, 74.8654,
81.1346

■ 62.1592, 77.5700,
84.8105

■ 68.5329, 80.7778,
88.6288

■ 75.9358, 84.5141,
92.5925

Harmonies

Analogous

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



45.8232, 67.3993, 35.3045



41.4897, 67.3993, 61.8616



42.5033, 67.3993, 103.2583

Triad

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



41.4897, 67.3993, 61.8616



73.7833, 67.3993, 168.6071



82.1816, 67.3993, 29.2371

Complementary

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



41.4897, 67.3993, 61.8616



37.1540, 19.0924, 4.5275

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.



91.8978, 67.3993, 49.9147



41.4897, 67.3993, 61.8616



86.5907, 67.3993, 132.0958

Square

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



41.4897, 67.3993, 61.8616



59.8992, 67.3993, 175.3939



93.6169, 67.3993, 86.2604



68.4113, 67.3993, 21.3868

Rectangle

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



41.4897, 67.3993, 61.8616



46.1406, 67.3993, 134.1055



93.6169, 67.3993, 86.2604



86.1076, 67.3993, 34.4813

Sweetspot

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



41.4916, 67.4019, 61.8632



69.9370, 87.3250, 95.4703



32.9928, 64.1455, 10.6435



14.3926, 18.4016, 20.0559



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.



41.4916, 67.4019, 61.8632



46.7087, 75.8995, 69.5749



30.2931, 34.9414, 89.1552



16.1051, 17.8721, 19.5764



22.3379, 36.2272, 33.4919



1.8921, 3.0273, 2.9643

Inverse Universe

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



37.1540, 19.0924, 4.5275



41.8285, 21.4954, 5.0289



38.9776, 23.5942, 2.5009



15.9010, 15.8101, 17.0348



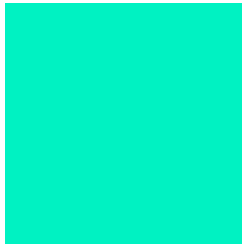
19.9964, 10.2710, 2.6317



1.6976, 0.8681, 0.3986

Previews

White Background



This preview shows how the XYZ color 41.4897, 67.3993, 61.8616 looks on a white background.

Color Contrast Check

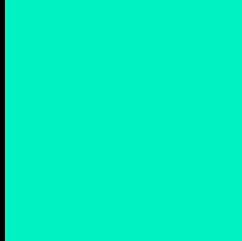
Large Text (above 18pt) WCAG AA × Fail

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 41.4897, 67.3993, 61.8616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

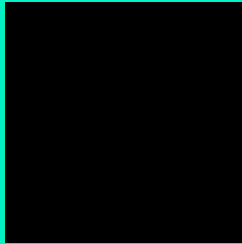
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4897, 67.3993, 61.8616

Background



This preview shows how black text looks on a background with the XYZ color 41.4897, 67.3993, 61.8616.

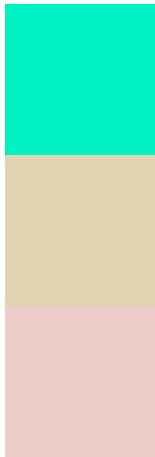


This preview shows how white text looks on a background with the XYZ color 41.4897, 67.3993,

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

41.4897, 67.3993, 61.8616

Protanopia

62.4206, 66.1889, 52.1336

Deuteranopia

67.4170, 65.9314, 65.0499



Tritanopia

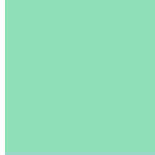
49.9001, 67.3540, 103.2991

Trichromacy



Original Color

41.4897, 67.3993, 61.8616



Protanomaly

46.3671, 62.0757, 54.8854



Deuteranomaly

48.1427, 60.8456, 63.2398



Tritanomaly

45.9764, 66.9754, 86.8483

Monochromacy



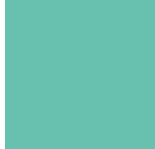
Original Color

41.4897, 67.3993, 61.8616



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.2964, 43.7375, 47.2974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4897, 67.3993, 61.8616 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 194) }
```

Border

The CSS property to change the border of an element to XYZ 41.4897, 67.3993, 61.8616 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, 194) }
```


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

```
.border{ border-color:rgb(0, 242, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4897, 67.3993, 61.8616 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, 194) }
```

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

```
.background{ background-color: rgb(0, 242,  
194) }
```

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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