

Converting Colors

XYZ(34.1222, 63.7674, 62.8204)

Have a look what the booklet for
XYZ(34.1222, 63.7674, 62.8204)
contains.

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Color

**XYZ(41.7159, 67.4898,
63.0527)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2C4
RGB	0, 242, 196
RGB Percent	0%, 95%, 77%
CMY	0.9999, 0.0510, 0.2314
CMYK	1.00, 0.00, 0.19, 0.05
HSL	169°, 100%, 47%
HSV	169°, 100%, 95%
XYZ	41.7159, 67.4898, 63.0527
YIQ	164.3980, -129.4660, -65.6100

Conversions

Conversions Part 2

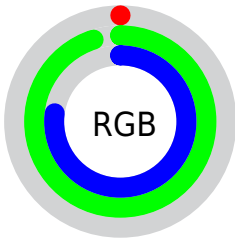
Format	Color
RYB	0, 134, 242
Decimal	62148
CIELab	85.75, -58.60, 8.73
CIELCh	86, 59.250, 171.528
Yxy	67.4898, 0.2422, 0.3918
Android (android.graphics.Color)	4278252228 (0xFF00F2C4)
YUV	164.3980, 15.5798, -144.1770
Hunter-Lab	82.1522, -53.1261, 12.0008

Details

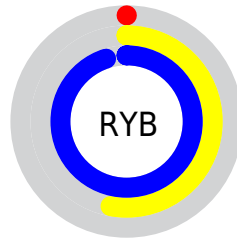
The XYZ color **41.7159, 67.4898, 63.0527** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **37.1136, 19.0763, 4.3149**, and the grayscale version is **35.4547, 37.3011, 40.6209**.

A 20% lighter version of the original color is **60.2997, 82.1226, 105.6016**, and **22.2314, 36.6509, 31.4938** is the 20% darker color. If you saturate the color by 10%, you get **41.7165, 67.4918, 63.0500**, and if you desaturate by 10%, it is **42.6316, 67.9021, 65.8732**.

Distribution



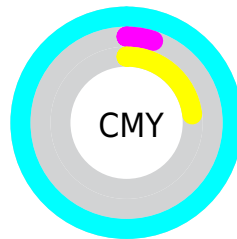
- Red (0%)
- Green (95%)
- Blue (77%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7159, 67.4898, 63.0527 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 41.7159, 67.4898, 63.0527 by changing the saturation by 10% instead.


 41.7159, 67.4898,
63.0527


 41.7159, 67.4898,
63.0527


344.3156,
451.6862, 453.8739


 29.0690, 49.4828,
45.4426


 77.0373, 115.6220,
110.8318


 19.2776, 35.0026,
31.4607


 100.4426,
146.5159, 141.8379


 11.9762, 23.6649,
20.6885


 128.1647,
182.4743, 178.1464

 6.7996, 15.0852,
12.7075

 160.5691,
223.8814, 220.1759

 3.3823, 8.8792,
7.0991

 198.0210,
271.1218, 268.3448

 1.3590, 4.6625,
3.4448

240.8858,

 0.2267, 2.0506,

324.5798, 323.0718

1.3260

289.5289,
384.6398, 384.7753

■ 0.0000, 0.6366,
0.0829

■ 0.0000, 0.0000,
0.0000

■ 41.7159, 67.4898,
63.0527

■ 41.7159, 67.4898,
63.0527

■ 41.7165, 67.4918,
63.0500

■ 42.6316, 67.9021,
65.8732

■ 44.0371, 68.5633,
68.7997

■ 46.0822, 69.5524,
71.8414

■ 48.8554, 70.9149,
75.0032

■ 52.4310, 72.6892,
78.2893

■ 56.8740, 74.9087,
81.7034

■ 62.2427, 77.6034,
85.2489

■ 68.5901, 80.8007,
88.9290

■ 75.9654, 84.5260,
92.7466

Harmonies

Analogous

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



45.8700, 67.4898, 36.2151



41.7159, 67.4898, 63.0527



42.8749, 67.4898, 104.3331

Triad

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



41.7159, 67.4898, 63.0527



74.1679, 67.4898, 166.7850



81.7184, 67.4898, 29.2477

Complementary

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



41.7159, 67.4898, 63.0527



37.1136, 19.0763, 4.3149

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.



91.4975, 67.4898, 49.4091



41.7159, 67.4898, 63.0527



86.7297, 67.4898, 130.2202

Square

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



41.7159, 67.4898, 63.0527



60.3927, 67.4898, 174.4676



93.4500, 67.4898, 85.0087



68.0538, 67.4898, 21.7031

Rectangle

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



41.7159, 67.4898, 63.0527



46.5864, 67.4898, 134.7261



93.4500, 67.4898, 85.0087



85.6444, 67.4898, 34.3500

Sweetspot

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



41.7178, 67.4924, 63.0543



70.0311, 87.3626, 95.9654



32.9928, 64.1455, 10.6435



14.4153, 18.4107, 20.1754



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.



41.7178, 67.4924, 63.0543



46.9639, 76.0016, 70.9189



30.2932, 34.9415, 89.1552



16.1110, 17.8744, 19.6073



22.4580, 36.2752, 34.1242



1.9011, 3.0309, 3.0115

Inverse Universe

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



37.1136, 19.0763, 4.3149



41.7835, 21.4774, 4.7918



38.9776, 23.5943, 2.5009



15.8956, 15.8079, 17.0063



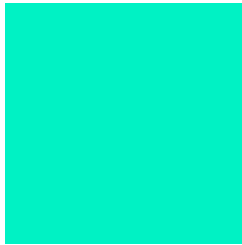
19.9734, 10.2618, 2.5108



1.6950, 0.8670, 0.3846

Previews

White Background



This preview shows how the XYZ color 41.7159, 67.4898, 63.0527 looks on a white background.

Color Contrast Check

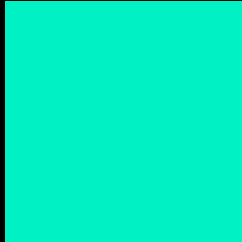
Large Text (above 18pt) WCAG AA × Fail

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 41.7159, 67.4898, 63.0527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

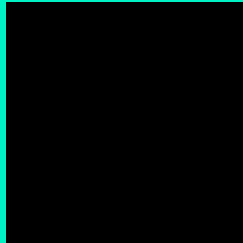
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7159, 67.4898, 63.0527

Background



This preview shows how black text looks on a background with the XYZ color 41.7159, 67.4898, 63.0527.

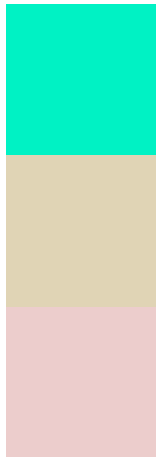


This preview shows how white text looks on a background with the XYZ color 41.7159, 67.4898, 63.0527.

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

41.7159, 67.4898, 63.0527

Protanopia

62.6244, 66.2705, 53.2069

Deuteranopia

67.3225, 65.8551, 66.2898



Tritanopia

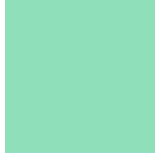
49.8249, 67.3152, 103.2956

Trichromacy



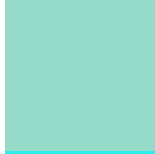
Original Color

41.7159, 67.4898, 63.0527



Protanomaly

46.5783, 62.1602, 55.9976



Deuteranomaly

48.1917, 60.8439, 64.4624



Tritanomaly

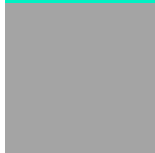
45.9764, 66.9754, 86.8483

Monochromacy



Original Color

41.7159, 67.4898, 63.0527



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.3950, 43.7769, 47.8167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7159, 67.4898, 63.0527 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 196) }
```

Border

The CSS property to change the border of an element to XYZ 41.7159, 67.4898, 63.0527 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, 196) }
```


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

```
.border{ border-color:rgb(0, 242, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7159, 67.4898, 63.0527 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, 196) }
```

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

```
.background{ background-color: rgb(0, 242,  
196) }
```

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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