

Converting Colors

XYZ(42.0005, 67.7228, 64.1841)

Have a look what the booklet for
XYZ(42.0005, 67.7228, 64.1841)
contains.

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Color

**XYZ(41.9452, 67.5815,
64.2599)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2C6
RGB	0, 242, 198
RGB Percent	0%, 95%, 78%
CMY	0.9998, 0.0510, 0.2235
CMYK	1.00, 0.00, 0.18, 0.05
HSL	169°, 100%, 47%
HSV	169°, 100%, 95%
XYZ	41.9452, 67.5815, 64.2599
YIQ	164.6260, -130.1080, -64.9880

Conversions

Conversions Part 2

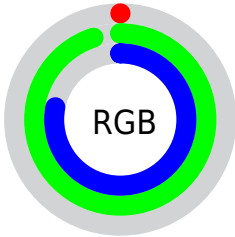
Format	Color
RYB	0, 133, 242
Decimal	62150
CIELab	85.80, -58.11, 7.75
CIELCh	86, 58.621, 172.402
Yxy	67.5815, 0.2414, 0.3889
Android (android.graphics.Color)	4278252230 (0xFF00F2C6)
YUV	164.6260, 16.4534, -144.3770
Hunter-Lab	82.2080, -52.7874, 11.2001

Details

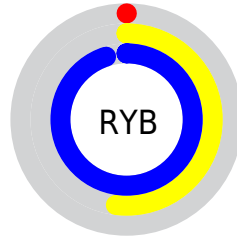
The XYZ color **41.9452, 67.5815, 64.2599** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **37.0752, 19.0611, 4.1125**, and the grayscale version is **35.5607, 37.4126, 40.7423**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.3830, 36.7115, 32.2919** is the 20% darker color. If you saturate the color by 10%, you get **41.9456, 67.5834, 64.2566**, and if you desaturate by 10%, it is **42.8443, 67.9871, 66.9923**.

Distribution



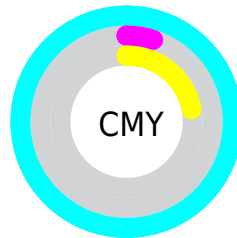
- Red (0%)
- Green (95%)
- Blue (78%)



- Red (0%)
- Yellow (52%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9452, 67.5815, 64.2599 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 41.9452, 67.5815, 64.2599 by changing the saturation by 10% instead.


 41.9452, 67.5815,
64.2599

 41.9452, 67.5815,
64.2599


345.2512,
452.0118, 458.3608

 29.2493, 49.5573,
46.4137


 77.3824, 115.7532,
112.5882


 19.4147, 35.0618,
32.2214


 100.8543,
146.6696, 143.9074


 12.0761, 23.7105,
21.2644


 128.6491,
182.6522, 180.5546

 6.8681, 15.1190,
13.1243

 161.1319,
224.0854, 222.9485

 3.4253, 8.9029,
7.3825

 198.6682,
271.3535, 271.5075

 1.3825, 4.6779,
3.6204

241.6232,

 0.2437, 2.0596,

324.8410, 326.6502

1.4195

290.3625,
384.9323, 388.7951

■ 0.0000, 0.6417,
0.1568

■ 0.0000, 0.0000,
0.0000

■ 41.9452, 67.5815,
64.2599

■ 41.9452, 67.5815,
64.2599

■ 41.9456, 67.5834,
64.2566

■ 42.8443, 67.9871,
66.9923

■ 44.2318, 68.6412,
69.8237

■ 46.2577, 69.6226,
72.7633

■ 49.0104, 70.9770,
75.8158

■ 52.5641, 72.7425,
78.9852

■ 56.9838, 74.9527,
82.2754

■ 62.3277, 77.6375,
85.6894

■ 68.6490, 80.8244,
89.2306

■ 75.9967, 84.5387,
92.9016

Harmonies

Analogous

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



45.9189, 67.5815, 37.1437



41.9452, 67.5815, 64.2599



43.2508, 67.5815, 105.4131

Triad

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



41.9452, 67.5815, 64.2599



74.5538, 67.5815, 164.9700



81.2570, 67.5815, 29.2616

Complementary

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



41.9452, 67.5815, 64.2599



37.0752, 19.0611, 4.1125

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.



91.0977, 67.5815, 48.9101



41.9452, 67.5815, 64.2599



86.8679, 67.5815, 128.3603

Square

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



41.9452, 67.5815, 64.2599



60.8899, 67.5815, 173.5368



93.2821, 67.5815, 83.7707



67.6988, 67.5815, 22.0256

Rectangle

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



41.9452, 67.5815, 64.2599



47.0369, 67.5815, 135.3439



93.2821, 67.5815, 83.7707



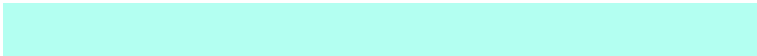
85.1826, 67.5815, 34.2223

Sweetspot

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



41.9471, 67.5841, 64.2615



70.1254, 87.4004, 96.4620



32.8096, 64.0511, 10.6351



14.4381, 18.4198, 20.2953



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.



41.9471, 67.5841, 64.2615



47.2224, 76.1050, 72.2804



29.5525, 33.4601, 88.9082



16.1168, 17.8768, 19.6382



22.5796, 36.3238, 34.7646



1.9102, 3.0345, 3.0593

Inverse Universe

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



37.0752, 19.0611, 4.1125



41.7405, 21.4602, 4.5658



39.2500, 24.1390, 2.5919



15.8902, 15.8058, 16.9779



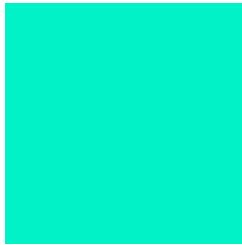
19.9515, 10.2530, 2.3950



1.6924, 0.8660, 0.3709

Previews

White Background



This preview shows how the XYZ color 41.9452, 67.5815, 64.2599 looks on a white background.

Color Contrast Check

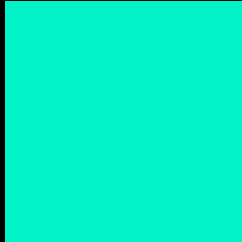
Large Text (above 18pt) WCAG AA × Fail

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 41.9452, 67.5815, 64.2599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

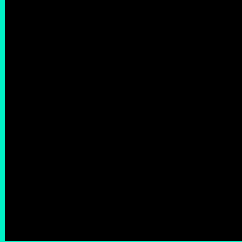
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9452, 67.5815, 64.2599

Background



This preview shows how black text looks on a background with the XYZ color 41.9452, 67.5815, 64.2599.

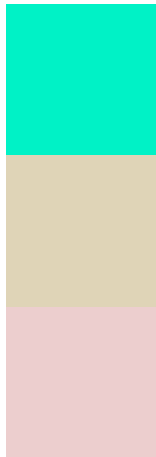


This preview shows how white text looks on a background with the XYZ color 41.9452, 67.5815,

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

41.9452, 67.5815, 64.2599

Protanopia

62.5222, 66.1938, 54.2812

Deuteranopia

67.8040, 66.4317, 67.6415



Tritanopia

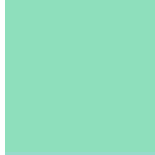
49.7510, 67.2771, 103.2921

Trichromacy



Original Color

41.9452, 67.5815, 64.2599



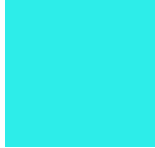
Protanomaly

46.6201, 62.1570, 57.1173



Deuteranomaly

48.6887, 61.4589, 65.7965



Tritanomaly

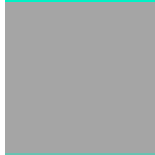
46.0744, 67.0095, 87.5965

Monochromacy



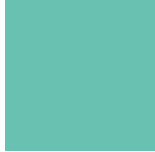
Original Color

41.9452, 67.5815, 64.2599



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.8315, 44.3175, 48.4187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9452, 67.5815, 64.2599 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 198) }
```

Border

The CSS property to change the border of an element to XYZ 41.9452, 67.5815, 64.2599 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, 198) }
```


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

```
.border{ border-color:rgb(0, 242, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9452, 67.5815, 64.2599 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, 198) }
```

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

```
.background{ background-color: rgb(0, 242,  
198) }
```

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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