

Converting Colors

XYZ(36.9718, 64.7663, 60.1407)

Have a look what the booklet for
XYZ(36.9718, 64.7663, 60.1407)
contains.

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Color

**XYZ(40.9697, 66.7164,
60.5874)**

Conversions

Conversions Part 1

Format	Color
Hex	00F1C0
RGB	0, 241, 192
RGB Percent	0%, 95%, 75%
CMY	0.9999, 0.0549, 0.2471
CMYK	1.00, 0.00, 0.20, 0.05
HSL	168°, 100%, 47%
HSV	168°, 100%, 95%
XYZ	40.9697, 66.7164, 60.5874
YIQ	163.3550, -127.9070, -66.3310

Conversions

Conversions Part 2

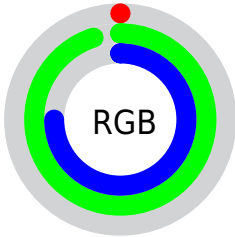
Format	Color
RYB	0, 134, 241
Decimal	61888
CIELab	85.36, -59.20, 10.26
CIELCh	85, 60.083, 170.170
Yxy	66.7164, 0.2435, 0.3965
Android (android.graphics.Color)	4278251968 (0xFF00F1C0)
YUV	163.3550, 14.1220, -143.2623
Hunter-Lab	81.6801, -53.4069, 13.1969

Details

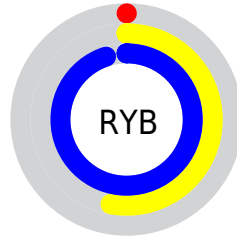
The XYZ color **40.9697, 66.7164, 60.5874** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **36.8325, 18.9243, 4.6213**, and the grayscale version is **34.9650, 36.7860, 40.0599**.

A 20% lighter version of the original color is **59.5133, 81.8080, 101.4608**, and **21.8007, 36.1451, 30.2538** is the 20% darker color. If you saturate the color by 10%, you get **40.9703, 66.7184, 60.5847**, and if you desaturate by 10%, it is **41.9033, 67.1355, 63.5149**.

Distribution



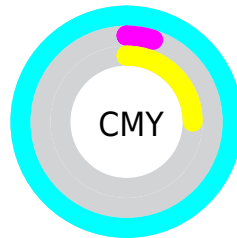
- Red (0%)
- Green (95%)
- Blue (75%)



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



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





- Cyan (100%)
- Magenta (5%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9697, 66.7164, 60.5874 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 40.9697, 66.7164, 60.5874 by changing the saturation by 10% instead.


 40.9697, 66.7164,
60.5874


 40.9697, 66.7164,
60.5874


341.2587,
448.9346, 444.6241

 28.4830, 48.8542,
43.4639


 75.9129, 114.5139,
107.2330


 18.8324, 34.5038,
29.9152


 99.1001, 145.2181,
137.5922


 11.6525, 23.2809,
19.5227


 126.5848,
180.9716, 173.2003

 6.5780, 14.8011,
11.8679


 158.7324,
222.1590, 214.4759

 3.2436, 8.6799,
6.5324

 195.9082,
269.1646, 261.8375

 1.2839, 4.5330,
3.0974

238.4776,

 0.1711, 1.9760,

322.3728, 315.7038

1.1446

286.8060,
382.1680, 376.4931

■ 0.0000, 0.5934,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9697, 66.7164,
60.5874

■ 40.9697, 66.7164,
60.5874

■ 40.9703, 66.7184,
60.5847

■ 41.9033, 67.1355,
63.5149

■ 43.3240, 67.8020,
66.5591

■ 45.3805, 68.7942,
69.7292

■ 48.1604, 70.1571,
73.0302

■ 51.7372, 71.9286,
76.4664

■ 56.1753, 74.1420,
80.0417

■ 61.5324, 76.8269,
83.7596

■ 67.8611, 80.0105,
87.6233

■ 75.2100, 83.7178,
91.6360

Harmonies

Analogous

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



45.3684, 66.7164, 34.4450



40.9697, 66.7164, 60.5874



41.8885, 66.7164, 101.6608

Triad

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



40.9697, 66.7164, 60.5874



72.8671, 66.7164, 168.1107



81.6880, 66.7164, 28.9592

Complementary

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



40.9697, 66.7164, 60.5874



36.8325, 18.9243, 4.6213

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.



91.2754, 66.7164, 49.7499



40.9697, 66.7164, 60.5874



85.6990, 66.7164, 131.9764

Square

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



40.9697, 66.7164, 60.5874



59.0495, 66.7164, 174.2996



92.8399, 66.7164, 86.1999



67.9841, 66.7164, 21.0029

Rectangle

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



40.9697, 66.7164, 60.5874



45.4482, 66.7164, 132.4841



92.8399, 66.7164, 86.1999



85.5771, 66.7164, 34.2383

Sweetspot

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



40.9715, 66.7190, 60.5890



69.8806, 87.3025, 95.1732



32.8855, 63.6496, 10.5534



14.3790, 18.3961, 19.9843



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.



40.9715, 66.7190, 60.5890



46.5568, 75.8387, 68.7749



30.7700, 36.1349, 88.5751



16.1016, 17.8707, 19.5579



22.2664, 36.1986, 33.1155



1.8868, 3.0251, 2.9361

Inverse Universe

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



36.8325, 18.9243, 4.6213



41.8566, 21.5066, 5.1769



38.3631, 22.8734, 2.3941



15.9042, 15.8114, 17.0519



20.0107, 10.2767, 2.7070



1.6993, 0.8688, 0.4073

Previews

White Background



This preview shows how the XYZ color 40.9697, 66.7164, 60.5874 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 40.9697, 66.7164, 60.5874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

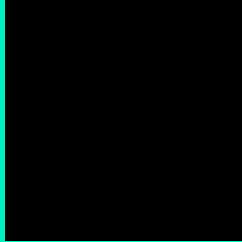
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

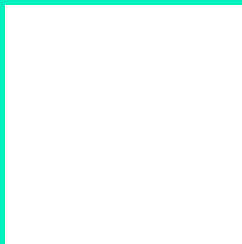
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9697, 66.7164, 60.5874

Background



This preview shows how black text looks on a background with the XYZ color 40.9697, 66.7164, 60.5874.



This preview shows how white text looks on a background with the XYZ color 40.9697, 66.7164,

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

40.9697, 66.7164, 60.5874

Protanopia

61.6615, 65.4508, 50.9783

Deuteranopia

66.6103, 65.1887, 63.7155



Tritanopia

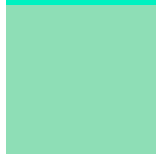
49.4573, 66.7226, 102.3675

Trichromacy



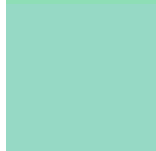
Original Color

40.9697, 66.7164, 60.5874



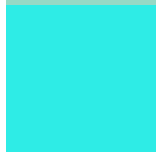
Protanomaly

45.7201, 61.3707, 53.6920



Deuteranomaly

47.4686, 60.1410, 61.9298



Tritanomaly

45.4051, 66.2849, 85.2641

Monochromacy



Original Color

40.9697, 66.7164, 60.5874



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.9797, 43.2607, 46.7090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9697, 66.7164, 60.5874 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, 241, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 192)  
}
```

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, 241, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 192) }
```

Border

The CSS property to change the border of an element to XYZ 40.9697, 66.7164, 60.5874 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, 241, 192) }
```


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

```
.border{ border-color:rgb(0, 241, 192) }
```

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

Here you see how a box with a 4 pixel rgb(0, 241, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9697, 66.7164, 60.5874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 192) }
```

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

```
.background{ background-color: rgb(0, 241,  
192) }
```

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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