

Converting Colors

XYZ(40.0988, 66.8696, 57.3666)

Have a look what the booklet for
XYZ(40.0988, 66.8696, 57.3666)
contains.

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Color

**XYZ(40.6151, 67.0494,
57.2556)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2BA
RGB	0, 242, 186
RGB Percent	0%, 95%, 73%
CMY	0.9998, 0.0510, 0.2706
CMYK	1.00, 0.00, 0.23, 0.05
HSL	166°, 100%, 47%
HSV	166°, 100%, 95%
XYZ	40.6151, 67.0494, 57.2556
YIQ	163.2580, -126.2560, -68.7200

Conversions

Conversions Part 2

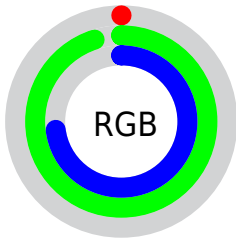
Format	Color
RYB	0, 137, 242
Decimal	62138
CIELab	85.53, -61.02, 13.62
CIELCh	86, 62.521, 167.417
Yxy	67.0494, 0.2463, 0.4066
Android (android.graphics.Color)	4278252218 (0xFF00F2BA)
YUV	163.2580, 11.2118, -143.1773
Hunter-Lab	81.8837, -54.7588, 15.8612

Details

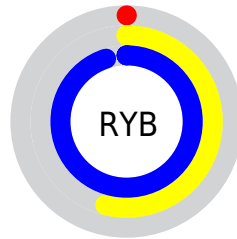
The XYZ color **40.6151, 67.0494, 57.2556** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **37.3346, 19.1648, 5.4786**, and the grayscale version is **34.9330, 36.7522, 40.0232**.

A 20% lighter version of the original color is **58.5971, 81.4415, 96.6358**, and **21.5826, 36.3914, 28.0770** is the 20% darker color. If you saturate the color by 10%, you get **40.6153, 67.0513, 57.2515**, and if you desaturate by 10%, it is **41.6063, 67.4919, 60.4734**.

Distribution



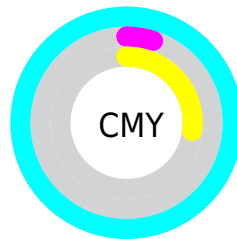
- Red (0%)
- Green (95%)
- Blue (73%)



- Red (0%)
- Yellow (54%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6151, 67.0494, 57.2556 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 40.6151, 67.0494, 57.2556 by changing the saturation by 10% instead.


 40.6151, 67.0494,
57.2556


 40.6151, 67.0494,
57.2556


339.7995,
450.1206, 431.9269


 28.2048, 49.1248,
40.7998


 75.3777, 114.9912,
102.3421


 18.6213, 34.7185,
27.8441


 98.4606, 145.7772,
131.8098


 11.4994, 23.4461,
17.9702

 125.8319,
181.6190, 166.4519

 6.4735, 14.9232,
10.7594

 157.8567,
222.9012, 206.6869

 3.1785, 8.7655,
5.7931

 194.9006,
270.0080, 252.9334

 1.2488, 4.5886,
2.6530

237.3287,

 0.1444, 2.0079,

323.3239, 305.6098

0.9196

285.5066,
383.2333, 365.1348

■ 0.0000, 0.6121,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6151, 67.0494,
57.2556

■ 40.6151, 67.0494,
57.2556

■ 40.6153, 67.0513,
57.2515

■ 41.6063, 67.4919,
60.4734

■ 43.0947, 68.1863,
63.8362

■ 45.2304, 69.2116,
67.3538

■ 48.1018, 70.6135,
71.0318

■ 51.7833, 72.4301,
74.8748

■ 56.3401, 74.6952,
78.8872

■ 61.8306, 77.4386,
83.0730

■ 68.3078, 80.6879,
87.4358

■ 75.8212, 84.4684,
91.9793

Harmonies

Analogous

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



45.6588, 67.0494, 31.8361



40.6151, 67.0494, 57.2556



41.0583, 67.0494, 99.0121

Triad

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



40.6151, 67.0494, 57.2556



72.2586, 67.0494, 175.9677



84.0546, 67.0494, 29.2280

Complementary

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



40.6151, 67.0494, 57.2556



37.3346, 19.1648, 5.4786

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.



93.5037, 67.0494, 52.0050



40.6151, 67.0494, 57.2556



86.0290, 67.0494, 139.7588

Square

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



40.6151, 67.0494, 57.2556



57.9614, 67.0494, 179.0553



94.2757, 67.0494, 91.4071



69.8659, 67.0494, 20.1806

Rectangle

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



40.6151, 67.0494, 57.2556



44.4035, 67.0494, 131.5960



94.2757, 67.0494, 91.4071



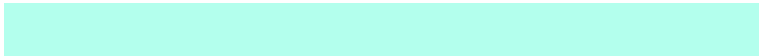
87.9764, 67.0494, 35.0441

Sweetspot

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



40.6169, 67.0520, 57.2572



69.5641, 87.1759, 93.5065



33.4125, 64.3618, 10.6633



14.3027, 18.3656, 19.5827



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.



40.6169, 67.0520, 57.2572



45.7216, 75.5046, 64.3770



31.8454, 38.0459, 89.6725



16.0817, 17.8627, 19.4533



21.8731, 36.0413, 31.0445



1.8572, 3.0133, 2.7804

Inverse Universe

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



37.3346, 19.1648, 5.4786



42.0299, 21.5760, 6.0897



38.4849, 22.6090, 2.3368



15.9227, 15.8188, 17.1490



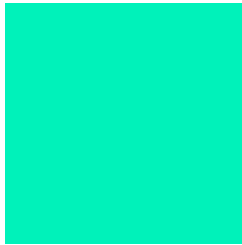
20.0983, 10.3117, 3.1682



1.7090, 0.8727, 0.4586

Previews

White Background



This preview shows how the XYZ color 40.6151, 67.0494, 57.2556 looks on a white background.

Color Contrast Check

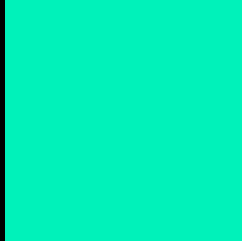
Large Text (above 18pt) WCAG AA × Fail

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 40.6151, 67.0494, 57.2556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

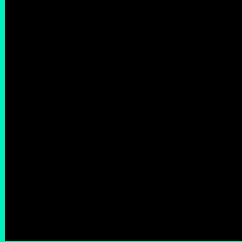
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

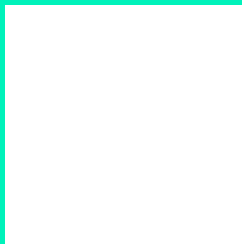
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6151, 67.0494, 57.2556

Background



This preview shows how black text looks on a background with the XYZ color 40.6151, 67.0494, 57.2556.

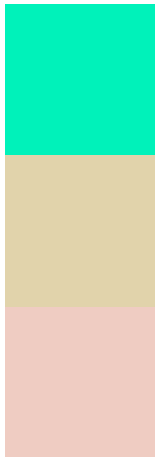


This preview shows how white text looks on a background with the XYZ color 40.6151, 67.0494,

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

40.6151, 67.0494, 57.2556

Protanopia

61.6963, 65.5364, 47.9261

Deuteranopia

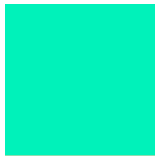
66.9271, 65.4315, 60.1410



Tritanopia

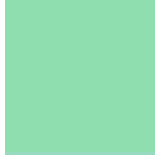
49.6901, 66.8426, 102.3784

Trichromacy



Original Color

40.6151, 67.0494, 57.2556



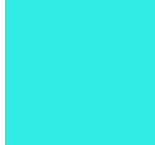
Protanomaly

45.2854, 61.2168, 50.5035



Deuteranomaly

47.4243, 60.5798, 58.4838



Tritanomaly

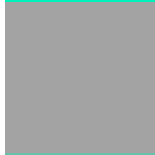
45.2180, 66.2207, 83.7974

Monochromacy



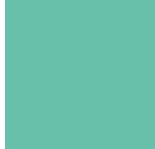
Original Color

40.6151, 67.0494, 57.2556



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.9092, 43.5826, 45.2586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6151, 67.0494, 57.2556 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 186) }
```

Border

The CSS property to change the border of an element to XYZ 40.6151, 67.0494, 57.2556 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, 186) }
```


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

```
.border{ border-color:rgb(0, 242, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6151, 67.0494, 57.2556 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, 186) }
```

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

```
.background{ background-color: rgb(0, 242,  
186) }
```

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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