

Converting Colors

XYZ(30.8466, 62.5971, 45.6746)

Have a look what the booklet for
XYZ(30.8466, 62.5971, 45.6746)
contains.

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Color

**XYZ(38.7514, 66.7815,
45.9697)**

Conversions

Conversions Part 1

Format	Color
Hex	00F3A4
RGB	0, 243, 164
RGB Percent	0%, 95%, 64%
CMY	0.9999, 0.0470, 0.3569
CMYK	1.00, 0.00, 0.33, 0.05
HSL	160°, 100%, 48%
HSV	160°, 100%, 95%
XYZ	38.7514, 66.7815, 45.9697
YIQ	161.3370, -119.4690, -76.0850

Conversions

Conversions Part 2

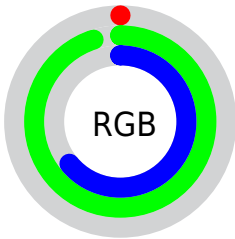
Format	Color
RYB	0, 145, 243
Decimal	62372
CIELab	85.39, -66.29, 24.78
CIELCh	85, 70.766, 159.504
Yxy	66.7815, 0.2558, 0.4408
Android (android.graphics.Color)	4278252452 (0xFF00F3A4)
YUV	161.3370, 1.3129, -141.4925
Hunter-Lab	81.7199, -58.3656, 23.8517

Details

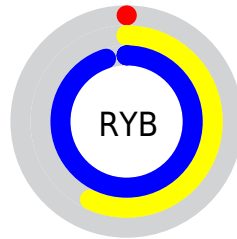
The XYZ color **38.7514, 66.7815, 45.9697** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **38.3761, 19.6208, 9.1668**, and the grayscale version is **34.0714, 35.8457, 39.0360**.

A 20% lighter version of the original color is **55.2283, 80.0792, 79.5638**, and **20.2736, 35.8678, 21.1839** is the 20% darker color. If you saturate the color by 10%, you get **38.7521, 66.7837, 45.9673**, and if you desaturate by 10%, it is **39.8734, 67.2766, 49.8653**.

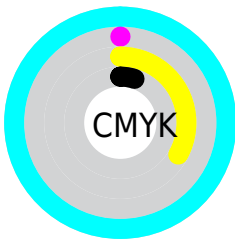
Distribution



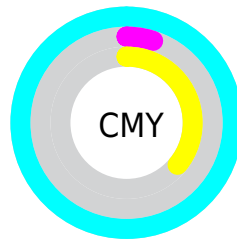
- Red (0%)
- Green (95%)
- Blue (64%)



- Red (0%)
- Yellow (57%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7514, 66.7815, 45.9697 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 38.7514, 66.7815, 45.9697 by changing the saturation by 10% instead.


 38.7514, 66.7815,
45.9697


 38.7514, 66.7815,
45.9697


332.0578,
449.1666, 386.9609


 26.7462, 48.9071,
31.8734


 72.5549, 114.6073,
85.5075


 17.5183, 34.5458,
21.0008


 95.0839, 145.3274,
111.7860

 10.7023, 23.3132,
12.9333


 121.8517,
181.0982, 142.9624

 5.9329, 14.8249,
7.2525

 153.2234,
222.3042, 179.4552

 2.8446, 8.6966,
3.5397

 189.5645,
269.3296, 221.6829

 1.0721, 4.5438,
1.3764

231.2404,

 0.0016, 1.9822,

322.5588, 270.0640

0.1232

278.6164,
382.3764, 325.0172

■ 0.0000, 0.5971,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7514, 66.7815,
45.9697

■ 38.7514, 66.7815,
45.9697

■ 38.7521, 66.7837,
45.9673

■ 39.8734, 67.2766,
49.8653

■ 41.5187, 68.0346,
54.0194

■ 43.8392, 69.1353,
58.4445

■ 46.9248, 70.6251,
63.1488

■ 50.8511, 72.5427,
68.1394

■ 55.6844, 74.9224,
73.4233

■ 61.4840, 77.7947,
79.0068

■ 68.3043, 81.1874,
84.8960

■ 76.1952, 85.1262,
91.0967

Harmonies

Analogous

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



45.8108, 66.7815, 23.6449



38.7514, 66.7815, 45.9697



37.6616, 66.7815, 88.2900

Triad

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



38.7514, 66.7815, 45.9697



68.7021, 66.7815, 199.2050



90.3604, 66.7815, 29.7641

Complementary

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



38.7514, 66.7815, 45.9697



38.3761, 19.6208, 9.1668

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.



98.9990, 66.7815, 59.0864



38.7514, 66.7815, 45.9697



85.1774, 66.7815, 164.3446

Square

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



38.7514, 66.7815, 45.9697



53.2782, 66.7815, 190.7554



96.9572, 66.7815, 108.2228



74.8937, 66.7815, 17.3988

Rectangle

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



38.7514, 66.7815, 45.9697



40.2429, 66.7815, 125.4476



96.9572, 66.7815, 108.2228



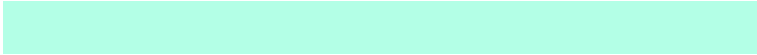
94.2681, 66.7815, 37.3192

Sweetspot

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



38.7532, 66.7841, 45.9713



68.5358, 86.7645, 88.0914



35.4468, 65.8537, 10.8435



14.0559, 18.2669, 18.2830



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.



38.7532, 66.7841, 45.9713



43.2150, 74.5020, 51.1777



37.4184, 48.9511, 92.2735



16.7541, 18.6608, 19.9896



21.3323, 36.6778, 25.5674



1.9219, 3.2424, 2.4948

Inverse Universe

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



38.3761, 19.6208, 9.1668



42.7979, 21.8831, 10.1336



37.7402, 20.6085, 1.9894



16.7212, 16.5713, 18.2786



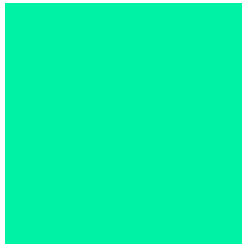
21.1157, 10.7897, 5.3177



1.9011, 0.9664, 0.7055

Previews

White Background



This preview shows how the XYZ color 38.7514, 66.7815, 45.9697 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 38.7514, 66.7815, 45.9697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

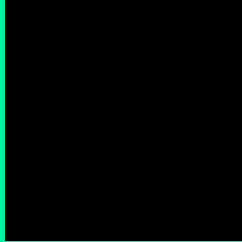
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7514, 66.7815, 45.9697

Background



This preview shows how black text looks on a background with the XYZ color 38.7514, 66.7815, 45.9697.

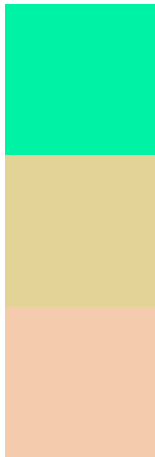


This preview shows how white text looks on a background with the XYZ color 38.7514, 66.7815,

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

38.7514, 66.7815, 45.9697

Protanopia

60.7942, 65.2845, 38.2511

Deuteranopia

66.5549, 65.1415, 48.6009



Tritanopia

49.9254, 66.5631, 101.4834

Trichromacy



Original Color

38.7514, 66.7815, 45.9697



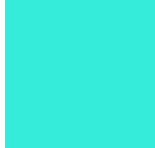
Protanomaly

43.9811, 61.1617, 40.4977



Deuteranomaly

46.0374, 60.1130, 47.2068



Tritanomaly

44.2498, 65.8623, 77.3983

Monochromacy



Original Color

38.7514, 66.7815, 45.9697



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.6319, 42.6950, 40.8089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7514, 66.7815, 45.9697 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, 243, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 164)  
}
```

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, 243, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 164) }
```

Border

The CSS property to change the border of an element to XYZ 38.7514, 66.7815, 45.9697 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, 243, 164) }
```


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

```
.border{ border-color:rgb(0, 243, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 243, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 243,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7514, 66.7815, 45.9697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 164) }
```

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

```
.background{ background-color: rgb(0, 243,  
164) }
```

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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