

Converting Colors

XYZ(37.6845, 67.2209, 37.6810)

Have a look what the booklet for
XYZ(37.6845, 67.2209, 37.6810)
contains.

XYZ(37.7632, 67.3491, 37.7974)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.7632, 67.3491,
37.7974)**

Conversions

Conversions Part 1

Format	Color
Hex	00F591
RGB	0, 245, 145
RGB Percent	0%, 96%, 57%
CMY	0.9999, 0.0392, 0.4314
CMYK	1.00, 0.00, 0.41, 0.04
HSL	156°, 100%, 48%
HSV	156°, 100%, 96%
XYZ	37.7632, 67.3491, 37.7974
YIQ	160.3450, -113.9200, -83.0400

Conversions

Conversions Part 2

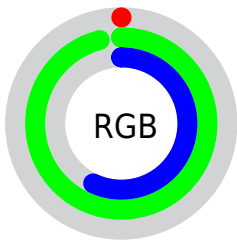
Format	Color
RYB	0, 154, 245
Decimal	62865
CIELab	85.68, -70.70, 34.75
CIELCh	86, 78.778, 153.826
Yxy	67.3491, 0.2642, 0.4713
Android (android.graphics.Color)	4278252945 (0xFF00F591)
YUV	160.3450, -7.5651, -140.6226
Hunter-Lab	82.0665, -61.4789, 30.1393

Details

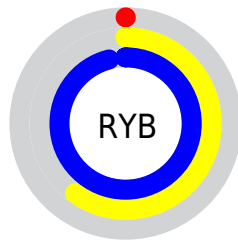
The XYZ color **37.7632, 67.3491, 37.7974** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **39.9591, 20.3341, 13.8808**, and the grayscale version is **33.6480, 35.4004, 38.5510**.

A 20% lighter version of the original color is **52.9954, 79.2008, 67.1377**, and **19.7461, 36.3310, 16.3278** is the 20% darker color. If you saturate the color by 10%, you get **37.7640, 67.3514, 37.7956**, and if you desaturate by 10%, it is **38.9595, 67.8746, 42.0597**.

Distribution



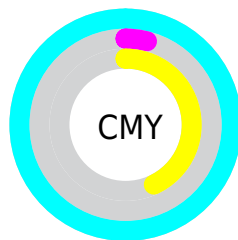
- Red (0%)
- Green (96%)
- Blue (57%)



- Red (0%)
- Yellow (60%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7632, 67.3491, 37.7974 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 37.7632, 67.3491, 37.7974 by changing the saturation by 10% instead.


 37.7632, 67.3491,
37.7974


 37.7632, 67.3491,
37.7974


327.9015,
451.1864, 352.0222


 25.9753, 49.3684,
25.5249


 71.0513, 115.4205,
72.9975

 16.9378, 34.9118,
16.2460


 93.2822, 146.2800,
96.7621


 10.2852, 23.5949,
9.5421


 119.7249,
182.2011, 125.1945

 5.6521, 15.0334,
4.9948

 150.7446,
223.5684, 158.7132

 2.6734, 8.8428,
2.1855

 186.7068,
270.7662, 197.7368

 0.9835, 4.6388,
0.6660

227.9768,

 0.0000, 2.0369,

324.1788, 242.6838

0.0000

274.9199,
384.1908, 293.9727

■ 0.0000, 0.6288,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7632, 67.3491,
37.7974

■ 37.7632, 67.3491,
37.7974

■ 37.7640, 67.3514,
37.7956

■ 38.9595, 67.8746,
42.0597

■ 40.7132, 68.6775,
46.7098

■ 43.1793, 69.8395,
51.7649

■ 46.4506, 71.4082,
57.2375

■ 50.6049, 73.4235,
63.1392

■ 55.7107, 75.9205,
69.4808

■ 61.8293, 78.9308,
76.2727

■ 69.0166, 82.4829,
83.5248

■ 77.3246, 86.6035,
91.2465

Harmonies

Analogous

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



46.6566, 67.3491, 18.0494



37.7632, 67.3491, 37.7974



35.3795, 67.3491, 80.1271

Triad

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



37.7632, 67.3491, 37.7974



66.3440, 67.3491, 222.8047



97.1840, 67.3491, 30.9188

Complementary

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



37.7632, 67.3491, 37.7974



39.9591, 20.3341, 13.8808

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.



105.0009, 67.3491, 66.9318



37.7632, 67.3491, 37.7974



85.2153, 67.3491, 189.9290

Square

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



37.7632, 67.3491, 37.7974



49.9624, 67.3491, 202.6418



100.2580, 67.3491, 126.1533



80.4787, 67.3491, 15.5810

Rectangle

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



37.7632, 67.3491, 37.7974



37.3441, 67.3491, 120.9532



100.2580, 67.3491, 126.1533



101.0667, 67.3491, 40.2080

Sweetspot

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



37.7649, 67.3518, 37.7990



67.6588, 86.4137, 83.4733



38.1442, 68.1377, 11.1421



13.8467, 18.1832, 17.1813



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.



37.7649, 67.3518, 37.7990



41.3386, 73.7515, 41.2966



43.2964, 60.2212, 95.7313



16.6938, 18.6366, 19.6717



20.4140, 36.3104, 20.7315



1.8451, 3.2117, 2.0903

Inverse Universe

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



39.9591, 20.3341, 13.8808



43.7433, 22.2613, 15.1119



37.9156, 19.9291, 1.8489



16.7795, 16.5947, 18.5856



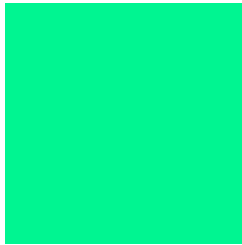
21.5902, 10.9795, 7.8162



1.9472, 0.9848, 0.9484

Previews

White Background



This preview shows how the XYZ color 37.7632, 67.3491, 37.7974 looks on a white background.

Color Contrast Check

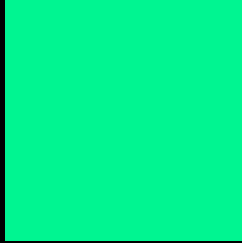
Large Text (above 18pt) WCAG AA × Fail

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 37.7632, 67.3491, 37.7974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

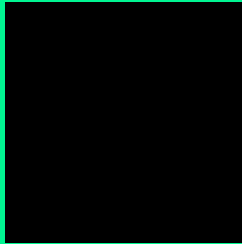
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7632, 67.3491, 37.7974

Background



This preview shows how black text looks on a background with the XYZ color 37.7632, 67.3491, 37.7974.

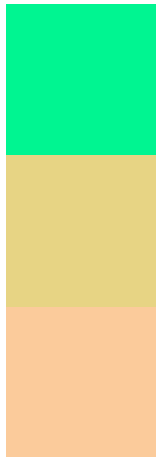


This preview shows how white text looks on a background with the XYZ color 37.7632, 67.3491,

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

37.7632, 67.3491, 37.7974

Protanopia

60.6633, 65.7418, 31.3219

Deuteranopia

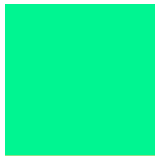
67.0560, 65.5877, 40.1358



Tritanopia

50.3890, 66.8021, 101.5051

Trichromacy



Original Color

37.7632, 67.3491, 37.7974



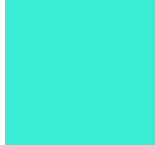
Protanomaly

43.2036, 61.3205, 33.2259



Deuteranomaly

45.1545, 59.8508, 38.4506



Tritanomaly

43.8552, 66.1917, 72.7522

Monochromacy



Original Color

37.7632, 67.3491, 37.7974



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.0267, 42.4529, 37.6220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7632, 67.3491, 37.7974 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, 245, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 145)  
}
```

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, 245, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 145) }
```

Border

The CSS property to change the border of an element to XYZ 37.7632, 67.3491, 37.7974 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, 245, 145) }
```


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

```
.border{ border-color:rgb(0, 245, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7632, 67.3491, 37.7974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 145) }
```

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

```
.background{ background-color: rgb(0, 245,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor