

Converting Colors

XYZ(34.7306, 63.2790, 30.6321)

Have a look what the booklet for
XYZ(34.7306, 63.2790, 30.6321)
contains.

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Color

**XYZ(34.6973, 63.2653,
30.4614)**

Conversions

Conversions Part 1

Format	Color
Hex	00EF7F
RGB	0, 239, 127
RGB Percent	0%, 94%, 50%
CMY	0.9999, 0.0627, 0.5019
CMYK	1.00, 0.00, 0.47, 0.06
HSL	152°, 100%, 47%
HSV	152°, 100%, 94%
XYZ	34.6973, 63.2653, 30.4614
YIQ	154.7710, -106.4920, -85.5000

Conversions

Conversions Part 2

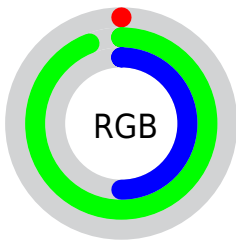
Format	Color
RYB	0, 156, 239
Decimal	61311
CIELab	83.58, -71.89, 40.89
CIELCh	84, 82.700, 150.370
Yxy	63.2653, 0.2702, 0.4926
Android (android.graphics.Color)	4278251391 (0xFF00EF7F)
YUV	154.7710, -13.6911, -135.7342
Hunter-Lab	79.5395, -61.3275, 32.9712

Details

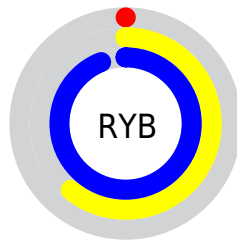
The XYZ color **34.6973, 63.2653, 30.4614** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark washed spring green. A complement of this color would be **38.5239, 19.5222, 17.0729**, and the grayscale version is **31.1503, 32.7725, 35.6893**.

A 20% lighter version of the original color is **50.6560, 78.2357, 56.1472**, and **17.7939, 33.5557, 12.1957** is the 20% darker color. If you saturate the color by 10%, you get **34.6980, 63.2675, 30.4597**, and if you desaturate by 10%, it is **35.8447, 63.7694, 34.5419**.

Distribution



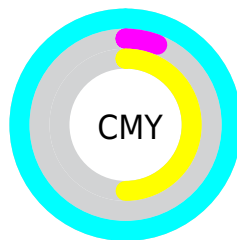
- Red (0%)
- Green (94%)
- Blue (50%)



- Red (0%)
- Yellow (61%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6973, 63.2653, 30.4614 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 34.6973, 63.2653, 30.4614 by changing the saturation by 10% instead.


 34.6973, 63.2653,
30.4614


 34.6973, 63.2653,
30.4614


314.7617,
436.5317, 318.3233

 23.5952, 46.0559,
19.9340


 66.3537, 109.5522,
61.4607


 15.1567, 32.2899,
12.1635


 87.6387, 139.3984,
82.7697


 9.0165, 21.5830,
6.7312


 113.0487,
174.2257, 108.5097

 4.8091, 13.5508,
3.2187

 142.9492,
214.4184, 139.0992

 2.1693, 7.8089,
1.2074

 177.7053,
260.3610, 174.9568

 0.7265, 3.9729,
0.0000

217.6825,

 0.0000, 1.6584,

312.4378, 216.5010

0.0000

263.2462,
371.0332, 264.1503

■ 0.0000, 0.3965,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6973, 63.2653,
30.4614

■ 34.6973, 63.2653,
30.4614

■ 34.6980, 63.2675,
30.4597

■ 35.8447, 63.7694,
34.5419

■ 37.5354, 64.5423,
39.0833

■ 39.9177, 65.6617,
44.1065

■ 43.0797, 67.1728,
49.6278

■ 47.0953, 69.1135,
55.6623

■ 52.0297, 71.5172,
62.2241

■ 57.9413, 74.4136,
69.3270

■ 64.8835, 77.8302,
76.9838

■ 72.9057, 81.7921,
85.2071

Harmonies

Analogous

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



44.2157, 63.2653, 13.7500



34.6973, 63.2653, 30.4614



31.6420, 63.2653, 69.5294

Triad

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



34.6973, 63.2653, 30.4614



60.3563, 63.2653, 224.0657



95.3803, 63.2653, 29.8203

Complementary

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



34.6973, 63.2653, 30.4614



38.5239, 19.5222, 17.0729

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.



102.0141, 63.2653, 68.2449



34.6973, 63.2653, 30.4614



79.4713, 63.2653, 195.4019

Square

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



34.6973, 63.2653, 30.4614



44.5329, 63.2653, 196.6917



95.6857, 63.2653, 130.7482



79.0044, 63.2653, 13.5318

Rectangle

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



34.6973, 63.2653, 30.4614



33.0794, 63.2653, 109.6666



95.6857, 63.2653, 130.7482



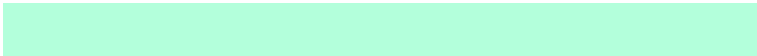
98.9546, 63.2653, 39.7218

Sweetspot

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



34.6989, 63.2679, 30.4629



67.0407, 86.1665, 80.2184



38.0077, 65.4162, 10.6239



13.7000, 18.1246, 16.4089



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.



34.6989, 63.2679, 30.4629



40.1680, 73.2832, 35.1322



45.2951, 65.6610, 91.9510



15.9169, 17.7968, 18.5855



19.2412, 34.9885, 17.1848



1.6509, 2.9308, 1.6942

Inverse Universe

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



38.5239, 19.5222, 17.0729



44.6003, 22.6041, 19.6250



35.6415, 18.4384, 1.6810



16.0811, 15.8822, 17.9834



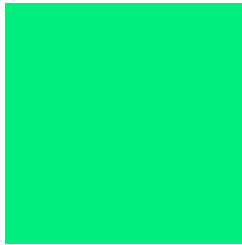
21.3530, 10.8136, 9.7754



1.8262, 0.9195, 1.0757

Previews

White Background



This preview shows how the XYZ color 34.6973, 63.2653, 30.4614 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 34.6973, 63.2653, 30.4614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

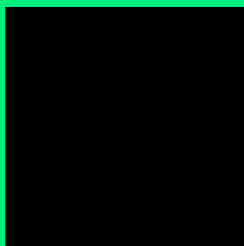
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6973, 63.2653, 30.4614

Background



This preview shows how black text looks on a background with the XYZ color 34.6973, 63.2653, 30.4614.

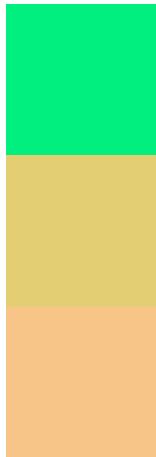


This preview shows how white text looks on a background with the XYZ color 34.6973, 63.2653,

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

34.6973, 63.2653, 30.4614

Protanopia

56.8444, 61.7113, 25.1351

Deuteranopia

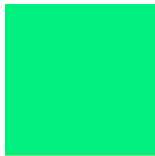
63.1930, 61.6951, 32.2446



Tritanopia

47.7419, 63.0980, 95.2508

Trichromacy



Original Color

34.6973, 63.2653, 30.4614



Protanomaly

39.9028, 57.4040, 26.4297



Deuteranomaly

41.8777, 56.0495, 30.8018



Tritanomaly

40.8059, 62.2387, 65.1209

Monochromacy



Original Color

34.6973, 63.2653, 30.4614



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.8153, 39.8148, 33.0071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6973, 63.2653, 30.4614 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, 239, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 239, 127)  
}
```

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, 239, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 127) }
```

Border

The CSS property to change the border of an element to XYZ 34.6973, 63.2653, 30.4614 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, 239, 127) }
```


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

```
.border{ border-color:rgb(0, 239, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 239, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 239, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 239, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 239,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6973, 63.2653, 30.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 239, 127) }
```

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

```
.background{ background-color: rgb(0, 239,  
127) }
```

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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