

Converting Colors

XYZ(34.2601, 63.4190, 27.1465)

Have a look what the booklet for
XYZ(34.2601, 63.4190, 27.1465)
contains.

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Color

**XYZ(34.3710, 63.6045,
27.2950)**

Conversions

Conversions Part 1

Format	Color
Hex	00F075
RGB	0, 240, 117
RGB Percent	0%, 94%, 46%
CMY	0.9999, 0.0588, 0.5412
CMYK	1.00, 0.00, 0.51, 0.06
HSL	149°, 100%, 47%
HSV	149°, 100%, 94%
XYZ	34.3710, 63.6045, 27.2950
YIQ	154.2180, -103.5570, -89.1330

Conversions

Conversions Part 2

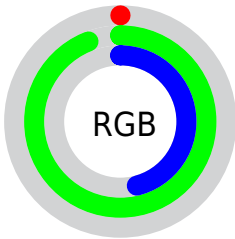
Format	Color
RYB	0, 161, 240
Decimal	61557
CIELab	83.76, -73.78, 45.89
CIELCh	84, 86.884, 148.116
Yxy	63.6045, 0.2744, 0.5077
Android (android.graphics.Color)	4278251637 (0xFF00F075)
YUV	154.2180, -18.3485, -135.2492
Hunter-Lab	79.7524, -62.6384, 35.5349

Details

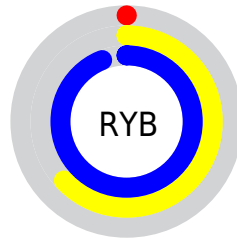
The XYZ color **34.3710, 63.6045, 27.2950** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **39.5130, 19.9569, 20.5144**, and the grayscale version is **30.9249, 32.5354, 35.4311**.

A 20% lighter version of the original color is **49.7928, 77.9050, 50.9409**, and **17.6821, 33.8376, 10.6004** is the 20% darker color. If you saturate the color by 10%, you get **34.3718, 63.6068, 27.2936**, and if you desaturate by 10%, it is **35.5211, 64.1100, 31.3774**.

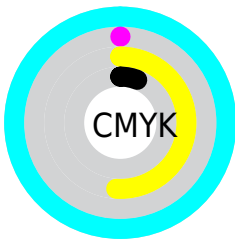
Distribution



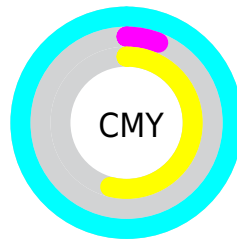
- Red (0%)
- Green (94%)
- Blue (46%)



- Red (0%)
- Yellow (63%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3710, 63.6045, 27.2950 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 34.3710, 63.6045, 27.2950 by changing the saturation by 10% instead.


 34.3710, 63.6045,
27.2950


 34.3710, 63.6045,
27.2950


313.3401,
437.7600, 302.8879


 23.3430, 46.3304,
17.5605


 65.8507, 110.0412,
56.3664


 14.9691, 32.5066,
10.4688


 87.0330, 139.9725,
76.5403


 8.8839, 21.7488,
5.6012


 112.3309,
174.8918, 101.0312

 4.7220, 13.6724,
2.5393

 142.1096,
215.1833, 130.2575

 2.1182, 7.8932,
0.8609

 176.7345,
261.2315, 164.6377

 0.6991, 4.0267,
0.0000

216.5710,

 0.0000, 1.6885,

313.4207, 204.5905

0.0000

261.9844,
372.1354, 250.5344

■ 0.0000, 0.4162,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3710, 63.6045,
27.2950

■ 34.3710, 63.6045,
27.2950

■ 34.3718, 63.6068,
27.2936

■ 35.5211, 64.1100,
31.3774

■ 37.2340, 64.8925,
35.9992

■ 39.6601, 66.0309,
41.1859

■ 42.8891, 67.5712,
46.9582

■ 46.9968, 69.5518,
53.3354

■ 52.0494, 72.0068,
60.3356

■ 58.1067, 74.9667,
67.9763

■ 65.2234, 78.4592,
76.2738

■ 73.4501, 82.5102,
85.2443

Harmonies

Analogous

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



44.7768, 63.6045, 11.8051



34.3710, 63.6045, 27.2950



30.7269, 63.6045, 65.8610

Triad

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



34.3710, 63.6045, 27.2950



59.2574, 63.6045, 236.0184



98.8778, 63.6045, 30.6353

Complementary

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



34.3710, 63.6045, 27.2950



39.5130, 19.9569, 20.5144

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.



104.9745, 63.6045, 72.7625



34.3710, 63.6045, 27.2950



79.4203, 63.6045, 209.1865

Square

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



34.3710, 63.6045, 27.2950



43.0902, 63.6045, 202.0591



97.2147, 63.6045, 140.7961



81.9498, 63.6045, 12.8980

Rectangle

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



34.3710, 63.6045, 27.2950



31.8855, 63.6045, 107.2820



97.2147, 63.6045, 140.7961



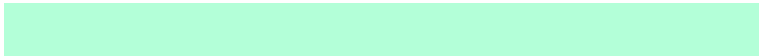
102.4001, 63.6045, 41.4784

Sweetspot

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



34.3726, 63.6071, 27.2965



66.6027, 85.9913, 77.9120



39.4751, 66.6084, 10.7767



13.5965, 18.0831, 15.8638



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.



34.3726, 63.6071, 27.2965



39.4174, 72.9830, 31.1795



46.3024, 68.3790, 90.1182



15.8870, 17.7848, 18.4279



18.8817, 34.8447, 15.2920



1.6209, 2.9188, 1.5360

Inverse Universe

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



39.5130, 19.9569, 20.5144



45.3161, 22.8905, 23.3946



35.9587, 18.5352, 1.7978



16.1110, 15.8941, 18.1406



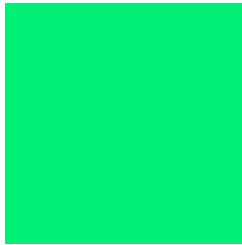
21.6964, 10.9510, 11.5836



1.8552, 0.9311, 1.2284

Previews

White Background



This preview shows how the XYZ color 34.3710, 63.6045, 27.2950 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 34.3710, 63.6045, 27.2950 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 34.3710, 63.6045, 27.2950

Background



This preview shows how black text looks on a background with the XYZ color 34.3710, 63.6045, 27.2950.



This preview shows how white text looks on a background with the XYZ color 34.3710, 63.6045,

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

34.3710, 63.6045, 27.2950

Protanopia

56.9093, 62.1602, 22.6344

Deuteranopia

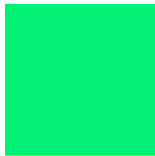
63.5147, 62.2707, 29.0939



Tritanopia

47.9391, 63.1997, 95.2601

Trichromacy



Original Color

34.3710, 63.6045, 27.2950



Protanomaly

39.8230, 57.8086, 23.8111



Deuteranomaly

41.7304, 56.4147, 27.7585



Tritanomaly

40.5726, 62.1589, 63.2855

Monochromacy



Original Color

34.3710, 63.6045, 27.2950



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.1937, 39.2177, 31.3358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3710, 63.6045, 27.2950 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, 240, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 117)  
}
```

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, 240, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 117) }
```

Border

The CSS property to change the border of an element to XYZ 34.3710, 63.6045, 27.2950 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, 240, 117) }
```


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

```
.border{ border-color:rgb(0, 240, 117) }
```

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

Here you see how a box with a 4 pixel rgb(0, 240, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3710, 63.6045, 27.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 117) }
```

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

```
.background{ background-color: rgb(0, 240,  
117) }
```

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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