

Converting Colors

XYZ(34.9958, 64.9229, 27.2916)

Have a look what the booklet for
XYZ(34.9958, 64.9229, 27.2916)
contains.

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Color

**XYZ(34.9045, 64.7652,
27.1843)**

Conversions

Conversions Part 1

Format	Color
Hex	00F274
RGB	0, 242, 116
RGB Percent	0%, 95%, 45%
CMY	1.0000, 0.0510, 0.5451
CMYK	1.00, 0.00, 0.52, 0.05
HSL	149°, 100%, 47%
HSV	149°, 100%, 95%
XYZ	34.9045, 64.7652, 27.1843
YIQ	155.2780, -103.7860, -90.4900

Conversions

Conversions Part 2

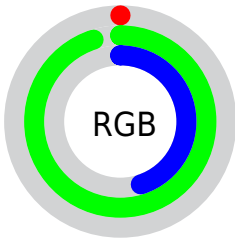
Format	Color
RYB	0, 164, 242
Decimal	62068
CIELab	84.36, -74.54, 47.10
CIELCh	84, 88.177, 147.711
Yxy	64.7652, 0.2752, 0.5105
Android (android.graphics.Color)	4278252148 (0xFF00F274)
YUV	155.2780, -19.3641, -136.1788
Hunter-Lab	80.4768, -63.4152, 36.3062

Details

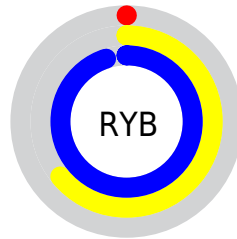
The XYZ color **34.9045, 64.7652, 27.1843** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **40.3862, 20.3849, 21.5490**, and the grayscale version is **31.3976, 33.0327, 35.9726**.

A 20% lighter version of the original color is **49.6978, 77.8670, 50.4407**, and **18.0659, 34.6511, 10.5867** is the 20% darker color. If you saturate the color by 10%, you get **34.9056, 64.7676, 27.1839**, and if you desaturate by 10%, it is **36.0713, 65.2780, 31.3300**.

Distribution



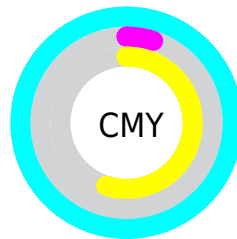
- Red (0%)
- Green (95%)
- Blue (45%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9045, 64.7652, 27.1843 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 34.9045, 64.7652, 27.1843 by changing the saturation by 10% instead.


 34.9045, 64.7652,
27.1843


 34.9045, 64.7652,
27.1843


315.6620,
441.9477, 302.3367


 23.7555, 47.2707,
17.4780


 66.6728, 111.7122,
56.1868


 15.2761, 33.2497,
10.4103


 88.0228, 141.9335,
76.3201


 9.1010, 22.3178,
5.5627

 113.5038,
177.1659, 100.7662

 4.8647, 14.0906,
2.5166

 143.4812,
217.7938, 129.9435

 2.2021, 8.1837,
0.8489

 178.3204,
264.2015, 164.2707

 0.7438, 4.2127,
0.0000

218.3867,

 0.0000, 1.7933,

316.7735, 204.1663

0.0000

264.0454,
375.8941, 250.0488

■ 0.0000, 0.4830,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.9045, 64.7652,
27.1843

■ 34.9045, 64.7652,
27.1843

■ 34.9056, 64.7676,
27.1839

■ 36.0713, 65.2780,
31.3300

■ 37.8148, 66.0744,
36.0399

■ 40.2883, 67.2347,
41.3412

■ 43.5836, 68.8060,
47.2559

■ 47.7779, 70.8276,
53.8045

■ 52.9392, 73.3344,
61.0063

■ 59.1288, 76.3573,
68.8799

■ 66.4024, 79.9250,
77.4428

■ 74.8119, 84.0638,
86.7120

Harmonies

Analogous

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



45.6601, 64.7652, 11.6603



34.9045, 64.7652, 27.1843



31.0858, 64.7652, 66.2996

Triad

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



34.9045, 64.7652, 27.1843



60.0662, 64.7652, 242.3909



101.2571, 64.7652, 31.3289

Complementary

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



34.9045, 64.7652, 27.1843



40.3862, 20.3849, 21.5490

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.



107.3496, 64.7652, 74.9122



34.9045, 64.7652, 27.1843



80.7728, 64.7652, 215.4871

Square

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



34.9045, 64.7652, 27.1843



43.5594, 64.7652, 206.5468



99.1765, 64.7652, 145.2042



83.9342, 64.7652, 13.0061

Rectangle

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



34.9045, 64.7652, 27.1843



32.2115, 64.7652, 108.6605



99.1765, 64.7652, 145.2042



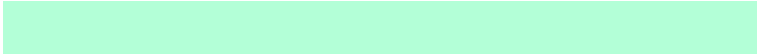
104.8283, 64.7652, 42.5441

Sweetspot

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



34.9061, 64.7678, 27.1858



66.5224, 85.9592, 77.4889



40.8180, 68.1797, 11.0090



13.5776, 18.0756, 15.7640



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.



34.9061, 64.7678, 27.1858



39.2869, 72.9308, 30.4924



46.5958, 69.4437, 88.7431



15.8815, 17.7826, 18.3987



18.8191, 34.8197, 14.9622



1.6156, 2.9167, 1.5081

Inverse Universe

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



40.3862, 20.3849, 21.5490



45.4580, 22.9472, 24.1417



36.6638, 18.8959, 1.9469



16.1165, 15.8963, 18.1699



21.7643, 10.9781, 11.9412



1.8609, 0.9334, 1.2582

Previews

White Background



This preview shows how the XYZ color 34.9045, 64.7652, 27.1843 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 34.9045, 64.7652, 27.1843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

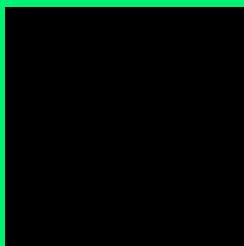
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.9045, 64.7652, 27.1843

Background



This preview shows how black text looks on a background with the XYZ color 34.9045, 64.7652, 27.1843.

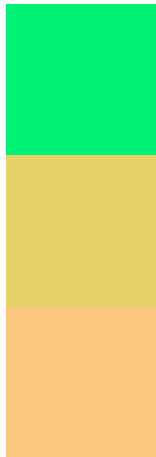


This preview shows how white text looks on a background with the XYZ color 34.9045, 64.7652,

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

34.9045, 64.7652, 27.1843

Protanopia

57.9834, 63.4438, 22.5544

Deuteranopia

64.3991, 63.0746, 28.8591



Tritanopia

48.8922, 64.4678, 97.0554

Trichromacy



Original Color

34.9045, 64.7652, 27.1843



Protanomaly

40.4708, 58.9280, 23.7092



Deuteranomaly

42.3728, 57.5045, 27.6051



Tritanomaly

41.2513, 63.3312, 64.0828

Monochromacy



Original Color

34.9045, 64.7652, 27.1843



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.7236, 40.1164, 31.4814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9045, 64.7652, 27.1843 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 116) }
```

Border

The CSS property to change the border of an element to XYZ 34.9045, 64.7652, 27.1843 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, 116) }
```


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

```
.border{ border-color:rgb(0, 242, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9045, 64.7652, 27.1843 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, 116) }
```

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

```
.background{ background-color: rgb(0, 242,  
116) }
```

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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