

Converting Colors

XYZ(34.3765, 64.6734, 24.0340)

Have a look what the booklet for
XYZ(34.3765, 64.6734, 24.0340)
contains.

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Color

**XYZ(34.3019, 64.5242,
24.0111)**

Conversions

Conversions Part 1

Format	Color
Hex	00F269
RGB	0, 242, 105
RGB Percent	0%, 95%, 41%
CMY	1.0000, 0.0510, 0.5882
CMYK	1.00, 0.00, 0.57, 0.05
HSL	146°, 100%, 47%
HSV	146°, 100%, 95%
XYZ	34.3019, 64.5242, 24.0111
YIQ	154.0240, -100.2550, -93.9110

Conversions

Conversions Part 2

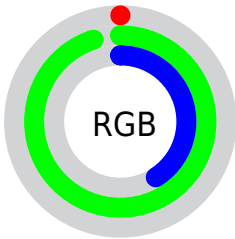
Format	Color
RYB	0, 169, 242
Decimal	62057
CIELab	84.24, -76.08, 51.99
CIELCh	84, 92.146, 145.650
Yxy	64.5242, 0.2792, 0.5253
Android (android.graphics.Color)	4278252137 (0xFF00F269)
YUV	154.0240, -24.1688, -135.0790
Hunter-Lab	80.3270, -64.3476, 38.5061

Details

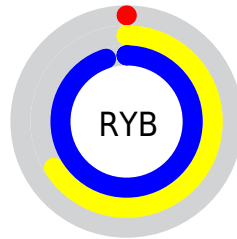
The XYZ color **34.3019, 64.5242, 24.0111** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **41.1353, 20.6845, 25.4940**, and the grayscale version is **30.8619, 32.4691, 35.3589**.

A 20% lighter version of the original color is **48.8281, 77.5339, 45.1929**, and **17.7380, 34.5200, 8.8601** is the 20% darker color. If you saturate the color by 10%, you get **34.3032, 64.5267, 24.0115**, and if you desaturate by 10%, it is **35.4471, 65.0283, 28.0432**.

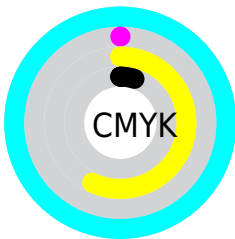
Distribution



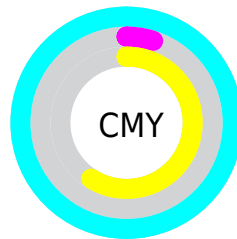
- Red (0%)
- Green (95%)
- Blue (41%)



- Red (0%)
- Yellow (66%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3019, 64.5242, 24.0111 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 34.3019, 64.5242, 24.0111 by changing the saturation by 10% instead.


 34.3019, 64.5242,
24.0111


 34.3019, 64.5242,
24.0111


313.0384,
441.0802, 286.1650


 23.2896, 47.0754,
15.1296


 65.7441, 111.3655,
50.9924


 14.9294, 33.0952,
8.7627


 86.9046, 141.5268,
69.9292


 8.8558, 22.1994,
4.4921

 112.1787,
176.6944, 93.0549

 4.7036, 14.0035,
1.8990

 141.9315,
217.2526, 120.7880

 2.1074, 8.1231,
0.4921

 176.5286,
263.5859, 153.5470

 0.6932, 4.1738,
0.0000

216.3352,

 0.0000, 1.7713,

316.0787, 191.7504

0.0000

261.7167,
375.1153, 235.8169

■ 0.0000, 0.4692,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3019, 64.5242,
24.0111

■ 34.3019, 64.5242,
24.0111

■ 34.3032, 64.5267,
24.0115

■ 35.4471, 65.0283,
28.0432

■ 37.1842, 65.8222,
32.7204

■ 39.6679, 66.9866,
38.0760

■ 42.9909, 68.5689,
44.1378

■ 47.2317, 70.6091,
50.9319

■ 52.4591, 73.1423,
58.4826

■ 58.7353, 76.1998,
66.8132

■ 66.1169, 79.8107,
75.9459

■ 74.6565, 84.0015,
85.9020

Harmonies

Analogous

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



45.8626, 64.5242, 9.8425



34.3019, 64.5242, 24.0111



29.9332, 64.5242, 62.0731

Triad

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



34.3019, 64.5242, 24.0111



58.4003, 64.5242, 252.4377



103.9362, 64.5242, 31.9741

Complementary

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



34.3019, 64.5242, 24.0111



41.1353, 20.6845, 25.4940

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.



109.3641, 64.5242, 79.1279



34.3019, 64.5242, 24.0111



79.9303, 64.5242, 228.0476

Square

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



34.3019, 64.5242, 24.0111



41.7457, 64.5242, 209.8690



99.7632, 64.5242, 154.6516



86.2395, 64.5242, 12.3251

Rectangle

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



34.3019, 64.5242, 24.0111



30.7727, 64.5242, 105.1409



99.7632, 64.5242, 154.6516



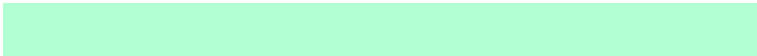
107.4028, 64.5242, 44.0917

Sweetspot

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



34.3035, 64.5268, 24.0126



66.0798, 85.7821, 75.1584



42.0927, 68.8369, 11.0685



13.4734, 18.0339, 15.2154



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.



34.3035, 64.5268, 24.0126



38.6094, 72.6598, 26.9246



45.4633, 68.9907, 82.7792



15.8507, 17.7703, 18.2366



18.4929, 34.6892, 13.2447



1.5875, 2.9054, 1.3600

Inverse Universe

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



41.1353, 20.6845, 25.4940



46.3017, 23.2847, 28.5846



36.7141, 18.9160, 2.2118



16.1477, 15.9088, 18.3339



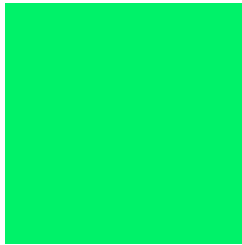
22.1671, 11.1393, 14.0625



1.8939, 0.9466, 1.4323

Previews

White Background



This preview shows how the XYZ color 34.3019, 64.5242, 24.0111 looks on a white background.

Color Contrast Check

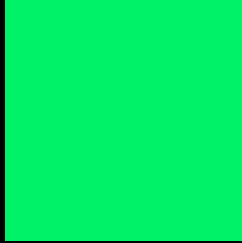
Large Text (above 18pt) WCAG AA × Fail

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 34.3019, 64.5242, 24.0111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

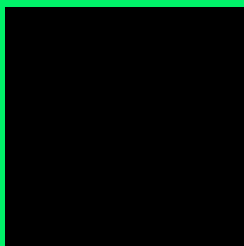
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3019, 64.5242, 24.0111

Background



This preview shows how black text looks on a background with the XYZ color 34.3019, 64.5242, 24.0111.



This preview shows how white text looks on a background with the XYZ color 34.3019, 64.5242,

Color Blindness Simulation

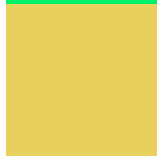
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.3019, 64.5242, 24.0111



Protanopia

57.5313, 62.9088, 19.7001



Deuteranopia

64.2780, 62.7434, 25.5525



Tritanopia

48.8230, 64.0249, 96.9736

Trichromacy



Original Color

34.3019, 64.5242, 24.0111



Protanomaly

39.8304, 58.2713, 20.7035



Deuteranomaly

41.9275, 56.9668, 24.4087



Tritanomaly

40.5704, 62.6140, 61.5772

Monochromacy



Original Color

34.3019, 64.5242, 24.0111



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.0398, 39.4921, 29.4901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3019, 64.5242, 24.0111 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 105) }
```

Border

The CSS property to change the border of an element to XYZ 34.3019, 64.5242, 24.0111 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, 105) }
```


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

```
.border{ border-color:rgb(0, 242, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3019, 64.5242, 24.0111 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, 105) }
```

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

```
.background{ background-color: rgb(0, 242,  
105) }
```

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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