

Converting Colors

XYZ(37.0105, 70.0532, 24.3189)

Have a look what the booklet for
XYZ(37.0105, 70.0532, 24.3189)
contains.

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Color

**XYZ(36.9954, 69.9994,
24.3934)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 04FB67 |
| RGB | 4, 251, 103 |
| RGB Percent | 2%, 98%, 40% |
| CMY | 0.9843, 0.0157, 0.5961 |
| CMYK | 0.98, 0.00, 0.59, 0.02 |
| HSL | 144°, 97%, 50% |
| HSV | 144°, 98%, 98% |
| XYZ | 36.9954, 69.9994, 24.3934 |
| YIQ | 160.2750, -99.7040, -98.3920 |

Conversions

Conversions Part 2

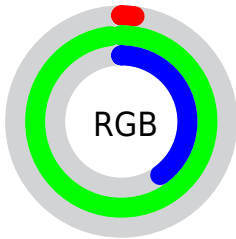
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 4, 180, 251 |
| Decimal | 326503 |
| CIELab | 87.00, -78.88, 56.11 |
| CIELCh | 87, 96.804, 144.575 |
| Yxy | 69.9994, 0.2816, 0.5328 |
| Android (android.graphics.Color) | 4278516583 (0xFF04FB67) |
| YUV | 160.2750, -28.2366, -137.0532 |
| Hunter-Lab | 83.6656, -67.4855, 41.2795 |

Details

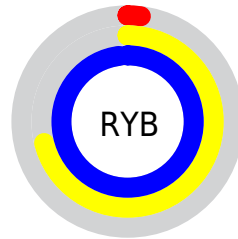
The XYZ color **36.9954, 69.9994, 24.3934** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.4969, 22.8643, 31.7246**, and the grayscale version is **33.7022, 35.4573, 38.6130**.

A 20% lighter version of the original color is **49.1340, 77.7016, 44.7560**, and **19.6035, 38.3533, 9.1660** is the 20% darker color. If you saturate the color by 10%, you get **36.8281, 69.9288, 23.7667**, and if you desaturate by 10%, it is **38.2810, 70.5689, 28.7570**.

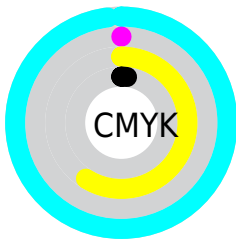
Distribution



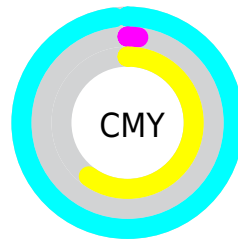
- Red (2%)
- Green (98%)
- Blue (40%)



- Red (2%)
- Yellow (71%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (59%)
- Black (2%)





- Cyan (98%)
- Magenta (2%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9954, 69.9994, 24.3934 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 36.9954, 69.9994, 24.3934 by changing the saturation by 10% instead.


 36.9954, 69.9994,
24.3934


 36.9954, 69.9994,
24.3934


324.6465,
460.5479, 288.1537


 25.3776, 51.5260,
15.4108


 69.8796, 119.2079,
51.6233


 16.4888, 36.6274,
8.9584

 91.8767, 150.7118,
70.7076


 9.9637, 24.9192,
4.6176


 118.0642,
187.3281, 93.9963

 5.4370, 16.0168,
1.9699

 148.8076,
229.4410, 121.9079

 2.5433, 9.5361,
0.5367

 184.4722,
277.4351, 154.8609

 0.9171, 5.0925,
0.0000

225.4233,

 0.0000, 2.3016,

331.6947, 193.2738

0.0000

272.0262,
392.6041, 237.5653

■ 0.0000, 0.7746,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9954, 69.9994,
24.3934

■ 36.9954, 69.9994,
24.3934

■ 36.8281, 69.9288,
23.7667

■ 38.2810, 70.5689,
28.7570

■ 40.2706, 71.4829,
33.8961

■ 43.1040, 72.8147,
39.8517

■ 46.8808, 74.6150,
46.6592

■ 51.6860, 76.9268,
54.3519

■ 57.5946, 79.7884,
62.9609

■ 64.6741, 83.2339,
72.5160

■ 72.9867, 87.2947,
83.0453

■ 82.5899, 92.0001,
94.5759

Harmonies

Analogous

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



50.0237, 69.9994, 9.7723



36.9954, 69.9994, 24.3934



31.9297, 69.9994, 65.0306

Triad

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



36.9954, 69.9994, 24.3934



62.5020, 69.9994, 279.8252



114.4796, 69.9994, 35.2435

Complementary

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



36.9954, 69.9994, 24.3934



45.4969, 22.8643, 31.7246

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.



119.9455, 69.9994, 88.6189



36.9954, 69.9994, 24.3934



86.3238, 69.9994, 255.0523

Square

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



36.9954, 69.9994, 24.3934



44.3595, 69.9994, 229.5869



108.6726, 69.9994, 173.6986



95.0821, 69.9994, 13.0853

Rectangle

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



36.9954, 69.9994, 24.3934



32.6744, 69.9994, 112.0842



108.6726, 69.9994, 173.6986



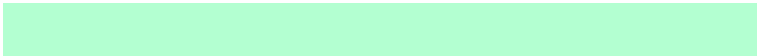
118.1684, 69.9994, 48.9567

Sweetspot

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



36.9971, 70.0023, 24.3950



65.7636, 85.6557, 73.4934



47.5080, 75.7011, 12.2230



13.3992, 18.0042, 14.8247



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.



36.9971, 70.0023, 24.3950



38.1684, 72.4834, 24.6025



48.3180, 74.5306, 84.0101



17.3056, 19.4245, 19.8099



19.4248, 36.7829, 12.8464



1.8499, 3.4271, 1.4573

Inverse Universe

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



45.4969, 22.8643, 31.7246



46.9729, 23.5532, 32.1191



40.0469, 20.6843, 3.0253



17.6813, 17.3999, 20.1775



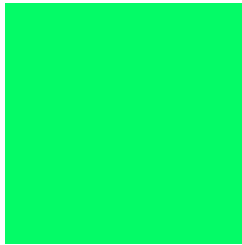
23.8964, 11.9743, 16.6949



2.2656, 1.1300, 1.8220

Previews

White Background



This preview shows how the XYZ color 36.9954, 69.9994, 24.3934 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 36.9954, 69.9994, 24.3934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

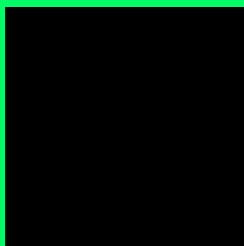
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9954, 69.9994, 24.3934

Background



This preview shows how black text looks on a background with the XYZ color 36.9954, 69.9994, 24.3934.

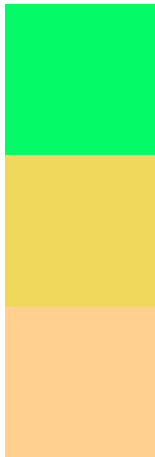


This preview shows how white text looks on a background with the XYZ color 36.9954, 69.9994,

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

36.9954, 69.9994, 24.3934

Protanopia

62.4228, 68.4097, 20.0396

Deuteranopia

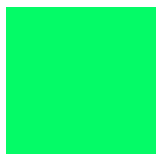
68.8299, 68.3854, 35.9575



Tritanopia

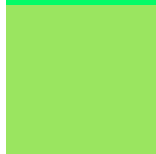
52.9039, 69.2893, 105.1936

Trichromacy



Original Color

36.9954, 69.9994, 24.3934



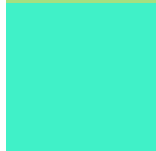
Protanomaly

43.4571, 63.7532, 21.0815



Deuteranomaly

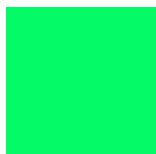
45.9279, 62.7888, 30.4677



Tritanomaly

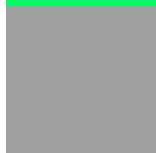
43.9950, 68.1707, 65.4831

Monochromacy



Original Color

36.9954, 69.9994, 24.3934



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.3237, 42.8876, 31.1587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9954, 69.9994, 24.3934 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(4, 251, 103)` looks like.

```
.text, #text, p{  
    color:rgb(4, 251, 103)  
}
```

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(4, 251, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 251, 103) }
```

Border

The CSS property to change the border of an element to XYZ 36.9954, 69.9994, 24.3934 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(4, 251, 103) }
```


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

```
.border{ border-color:rgb(4, 251, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 251, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 251, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 251, 103);  
box-shadow:4px 4px 4px 4px rgb(4, 251,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9954, 69.9994, 24.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 251, 103) }
```

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

```
.background{ background-color: rgb(4, 251,  
103) }
```

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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