

# Converting Colors

XYZ(35.4468, 65.1047, 29.5142)

Have a look what the booklet for  
XYZ(35.4468, 65.1047, 29.5142)  
contains.

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# Color

**XYZ(35.3523, 64.9472,  
29.4117)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02F27B
RGB	2, 242, 123
RGB Percent	1%, 95%, 48%
CMY	0.9921, 0.0510, 0.5176
CMYK	0.99, 0.00, 0.49, 0.05
HSL	150°, 98%, 48%
HSV	150°, 99%, 95%
XYZ	35.3523, 64.9472, 29.4117
YIQ	156.6740, -104.8410, -87.8890

# Conversions

## Conversions Part 2

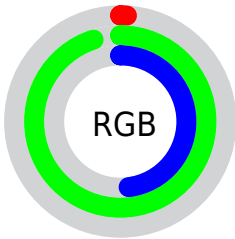
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	2, 162, 242
Decimal	193147
CIE <sub>Lab</sub>	84.46, -73.42, 43.92
CIE <sub>LCh</sub>	84, 85.553, 149.115
Yxy	64.9472, 0.2725, 0.5007
Android (android.graphics.Color)	4278383227 (0xFF02F27B)
YUV	156.6740, -16.6013, -135.6491
Hunter-Lab	80.5898, -62.7297, 34.7747

# Details

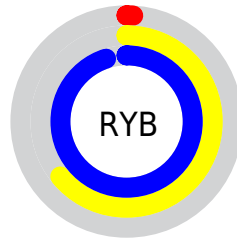
The XYZ color **35.3523, 64.9472, 29.4117** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **40.0934, 20.3026, 19.8998**, and the grayscale version is **32.0102, 33.6772, 36.6745**.

A 20% lighter version of the original color is **50.5059, 78.2050, 54.0281**, and **18.2778, 34.7359, 11.7026** is the 20% darker color. If you saturate the color by 10%, you get **35.2665, 64.9119, 29.0842**, and if you desaturate by 10%, it is **36.5583, 65.4785, 33.6347**.

# Distribution



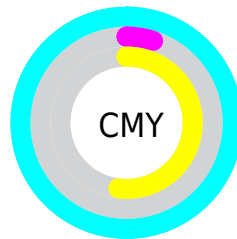
- Red (1%)
- Green (95%)
- Blue (48%)



- Red (1%)
- Yellow (64%)
- Blue (95%)



- Cyan (99%)
- Magenta (0%)
- Yellow (49%)
- Black (5%)




- Cyan (99%)
- Magenta (5%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3523, 64.9472, 29.4117 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 35.3523, 64.9472, 29.4117 by changing the saturation by 10% instead.





 35.3523, 64.9472,  
29.4117


 35.3523, 64.9472,  
29.4117


317.6015,  
442.6022, 313.2740


 24.1022, 47.4183,  
19.1442


 67.3616, 111.9739,  
59.7805


 15.5346, 33.3664,  
11.5967


 88.8515, 142.2405,  
80.7190

 9.2842, 22.4073,  
6.3505


 114.4853,  
177.5218, 106.0515

 4.9856, 14.1565,  
2.9871

 144.6285,  
218.2022, 136.1966

 2.2735, 8.2296,  
1.0881

 179.6464,  
264.6660, 171.5729

 0.7810, 4.2422,  
0.0000

219.9042,

 0.0000, 1.8100,

317.2977, 212.5989

0.0000

265.7675,  
376.4816, 259.6931

■ 0.0000, 0.4934,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.3523, 64.9472,  
29.4117

■ 35.3523, 64.9472,  
29.4117

■ 35.2665, 64.9119,  
29.0842

■ 36.5583, 65.4785,  
33.6347

■ 38.3560, 66.3021,  
38.3811

■ 40.8833, 67.4904,  
43.6745

■ 44.2299, 69.0894,  
49.5341

■ 48.4717, 71.1379,  
55.9777

■ 53.6756, 73.6701,  
63.0224

■ 59.9019, 76.7167,  
70.6842

■ 67.2057, 80.3059,  
78.9785

■ 75.6379, 84.4637,  
87.9202

# Harmonies

## Analogous

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



45.5835, 64.9472, 12.9906



35.3523, 64.9472, 29.4117



31.8964, 64.9472, 69.1107

# Triad

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



35.3523, 64.9472, 29.4117



61.1671, 64.9472, 235.7644



99.5325, 64.9472, 31.0011

# Complementary

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



35.3523, 64.9472, 29.4117



40.0934, 20.3026, 19.8998

# 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.



106.0199, 64.9472, 72.3470



35.3523, 64.9472, 29.4117



81.3004, 64.9472, 207.4570

# Square

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



35.3523, 64.9472, 29.4117



44.7887, 64.9472, 204.1586



98.7576, 64.9472, 139.2987



82.4819, 64.9472, 13.5205



# Rectangle

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



35.3523, 64.9472, 29.4117



33.2103, 64.9472, 110.8824



98.7576, 64.9472, 139.2987



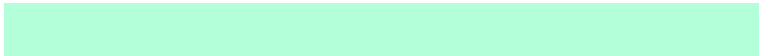
103.1589, 64.9472, 41.6520

# Sweetspot

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



35.3539, 64.9498, 29.4132



66.7681, 86.0575, 78.7829



39.7918, 67.6494, 11.0182



13.6356, 18.0988, 16.0694



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.



35.3539, 64.9498, 29.4132



39.6930, 73.0932, 32.6308



47.8062, 69.9307, 94.9859



15.8984, 17.7894, 18.4876



19.0139, 34.8976, 15.9879



1.6320, 2.9232, 1.5946



# Inverse Universe

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



40.0934, 20.3026, 19.8998



45.0346, 22.7778, 21.9122



36.6523, 18.9261, 1.7792



16.0996, 15.8896, 18.0808



21.5615, 10.8970, 10.8734

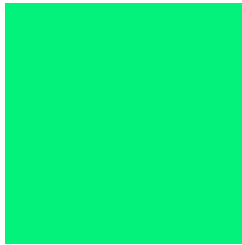


1.8439, 0.9266, 1.1689



# Previews

## White Background



This preview shows how the XYZ color 35.3523, 64.9472, 29.4117 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 35.3523, 64.9472, 29.4117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

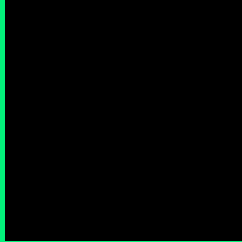
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.3523, 64.9472, 29.4117**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3523, 64.9472, 29.4117.



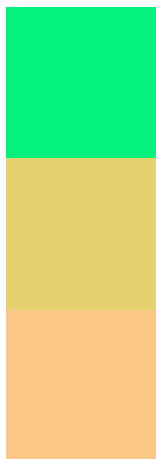
This preview shows how white text looks on a background with the XYZ color 35.3523, 64.9472,



# 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

35.3523, 64.9472, 29.4117

### Protanopia

58.3028, 63.5716, 24.2366

### Deuteranopia

64.5102, 63.0773, 31.3293



## Tritanopia

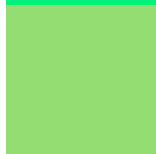
48.9455, 64.4775, 97.8614

# Trichromacy



## Original Color

35.3523, 64.9472, 29.4117



## Protanomaly

40.9836, 59.1538, 25.4774



## Deuteranomaly

42.8269, 57.6862, 29.9964



## Tritanomaly

41.6032, 63.4719, 65.9357

# Monochromacy



## Original Color

35.3523, 64.9472, 29.4117



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

28.4609, 40.7775, 33.1589

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3523, 64.9472, 29.4117 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(2, 242, 123)` looks like.

```
.text, #text, p{  
    color:rgb(2, 242, 123)  
}
```

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(2, 242, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 242, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3523, 64.9472, 29.4117 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(2, 242, 123) }
```



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

```
.border{ border-color:rgb(2, 242, 123) }
```

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

Here you see how a box with a 4 pixel rgb(2, 242, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 242, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 242, 123);  
box-shadow:4px 4px 4px 4px rgb(2, 242,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3523, 64.9472, 29.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 242, 123) }
```

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

```
.background{ background-color: rgb(2, 242,  
123) }
```

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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