

# Converting Colors

XYZ(35.9100, 68.0878, 22.8049)

Have a look what the booklet for  
XYZ(35.9100, 68.0878, 22.8049)  
contains.

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# Color

**XYZ(35.9100, 68.0878,  
22.8049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0BF862
RGB	11, 248, 98
RGB Percent	4%, 97%, 38%
CMY	0.9568, 0.0274, 0.6157
CMYK	0.96, 0.00, 0.60, 0.03
HSL	142°, 94%, 51%
HSV	142°, 96%, 97%
XYZ	35.9100, 68.0878, 22.8049
YIQ	160.0370, -93.1020, -96.8940

# Conversions

## Conversions Part 2

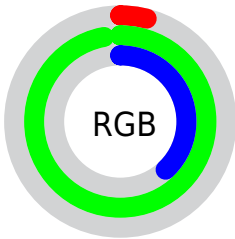
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">11, 184, 248</a>
Decimal	<a href="#">784482</a>
CIELab	<a href="#">86.05, -78.41, 57.18</a>
CIELCh	<a href="#">86, 97.042, 143.901</a>
Yxy	<a href="#">68.0878, 0.2832, 0.5370</a>
Android (android.graphics.Color)	<a href="#">4278974562</a> <a href="#">(0xFF0BF862)</a>
YUV	<a href="#">160.0370, -30.5842, -130.7054</a>
Hunter-Lab	<a href="#">82.5153, -66.7201, 41.3747</a>

# Details

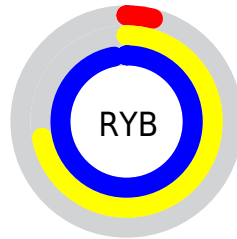
The XYZ color **35.9100, 68.0878, 22.8049** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.2662, 22.7702, 35.7303**, and the grayscale version is **33.6001, 35.3499, 38.4960**.

A 20% lighter version of the original color is **48.7122, 77.5329, 42.5349**, and **18.8314, 36.9941, 8.3385** is the 20% darker color. If you saturate the color by 10%, you get **35.4587, 67.8935, 21.1421**, and if you desaturate by 10%, it is **37.3098, 68.7172, 27.1278**.

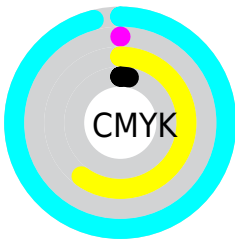
# Distribution



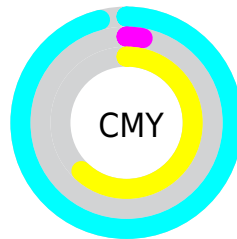
- Red (4%)
- Green (97%)
- Blue (38%)



- Red (4%)
- Yellow (72%)
- Blue (97%)



- Cyan (96%)
- Magenta (0%)
- Yellow (60%)
- Black (3%)




- Cyan (96%)
- Magenta (3%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9100, 68.0878, 22.8049 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 35.9100, 68.0878, 22.8049 by changing the saturation by 10% instead.





 35.9100, 68.0878,  
22.8049


 35.9100, 68.0878,  
22.8049


320.0051,  
453.8070, 279.8107


 24.5345, 49.9692,  
14.2456


 68.2179, 116.4777,  
48.9919


 15.8574, 35.3889,  
8.1510


 89.8810, 147.5178,  
67.4567


 9.5135, 23.9626,  
4.1025


 115.7040,  
183.6339, 90.0603

 5.1374, 15.3059,  
1.6818

 146.0523,  
225.2103, 117.2214

 2.3637, 9.0343,  
0.3482

 181.2912,  
272.6314, 149.3584

 0.8270, 4.7636,  
0.0000

221.7860,

 0.0000, 2.1092,

326.2816, 186.8899

0.0000

267.9022,  
386.5454, 230.2345

■ 0.0000, 0.6698,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.9100, 68.0878,  
22.8049

■ 35.9100, 68.0878,  
22.8049

■ 35.4587, 67.8935,  
21.1421

■ 37.3098, 68.7172,  
27.1278

■ 39.4581, 69.7127,  
32.2840

■ 42.4703, 71.1351,  
38.3182

■ 46.4397, 73.0317,  
45.2705

■ 51.4466, 75.4430,  
53.1781

■ 57.5626, 78.4053,  
62.0760

■ 64.8527, 81.9514,  
71.9977

■ 73.3766, 86.1115,  
82.9746

■ 83.1900, 90.9137,  
95.0371

# Harmonies

## Analogous

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



48.8667, 68.0878, 9.0332



35.9100, 68.0878, 22.8049



30.7858, 68.0878, 61.8522

# Triad

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



35.9100, 68.0878, 22.8049



60.2706, 68.0878, 275.2276



112.3031, 68.0878, 34.7152

# Complementary

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



35.9100, 68.0878, 22.8049



45.2662, 22.7702, 35.7303

# 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.



117.3303, 68.0878, 87.9472



35.9100, 68.0878, 22.8049



83.6664, 68.0878, 252.3372

# Square

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



35.9100, 68.0878, 22.8049



42.6180, 68.0878, 223.9817



105.8591, 68.0878, 172.4378



93.3732, 68.0878, 12.6298



# Rectangle

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



35.9100, 68.0878, 22.8049



31.4066, 68.0878, 107.6838



105.8591, 68.0878, 172.4378



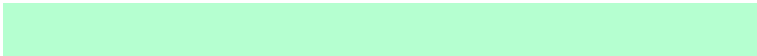
115.8320, 68.0878, 48.3982

# Sweetspot

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



35.9116, 68.0906, 22.8065



66.2371, 85.9135, 72.8928



48.3483, 74.7496, 12.1967



13.4748, 18.0473, 14.6420



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.



35.9116, 68.0906, 22.8065



37.7628, 72.3211, 22.4664



46.1539, 72.1875, 76.7414



17.2808, 19.4146, 19.6791



19.2157, 36.6993, 11.7450



1.8288, 3.4186, 1.3463



# Inverse Universe

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



45.2662, 22.7702, 35.7303



47.7078, 23.8471, 35.9889



39.2615, 20.3683, 4.1099



17.7069, 17.4101, 20.3123



24.2677, 12.1228, 18.6497

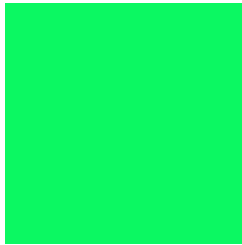


2.2986, 1.1432, 1.9960



# Previews

## White Background



This preview shows how the XYZ color 35.9100, 68.0878, 22.8049 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 35.9100, 68.0878, 22.8049 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

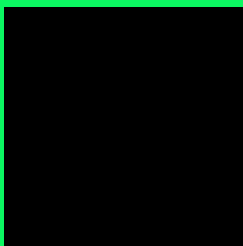
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

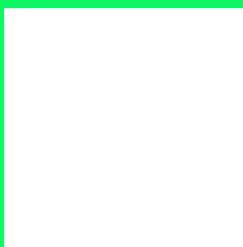
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.9100, 68.0878, 22.8049**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9100, 68.0878, 22.8049.



This preview shows how white text looks on a background with the XYZ color 35.9100, 68.0878,



# Color Blindness Simulation

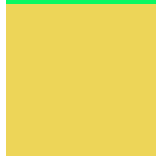
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

35.9100, 68.0878, 22.8049



### Protanopia

60.4808, 66.2976, 18.8416



### Deuteranopia

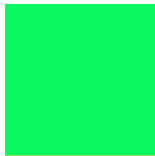
66.9977, 66.1117, 31.0595



## Tritanopia

51.6971, 67.8955, 101.6472

# Trichromacy



## Original Color

35.9100, 68.0878, 22.8049



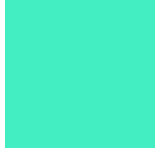
## Protanomaly

42.6457, 62.1340, 19.8706



## Deuteranomaly

44.7092, 60.6495, 27.1194



## Tritanomaly

42.7396, 66.2825, 62.1709

# Monochromacy



## Original Color

35.9100, 68.0878, 22.8049



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

29.3089, 42.5696, 30.3389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9100, 68.0878, 22.8049 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(11, 248, 98)` looks like.

```
.text, #text, p{  
    color:rgb(11, 248, 98)  
}
```

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(11, 248, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 248, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9100, 68.0878, 22.8049 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(11, 248, 98) }
```



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

```
.border{ border-color:rgb(11, 248, 98) }
```

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

Here you see how a box with a 4 pixel rgb(11, 248, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 248, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 248, 98);  
box-shadow:4px 4px 4px 4px rgb(11, 248,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9100, 68.0878, 22.8049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 248, 98) }
```

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

```
.background{ background-color: rgb(11, 248,  
98) }
```

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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