

# Converting Colors

XYZ(35.3371, 68.9004, 12.3580)

Have a look what the booklet for  
XYZ(35.3371, 68.9004, 12.3580)  
contains.

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# Color

**XYZ(35.3573, 68.9550,  
12.3658)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BFA19
RGB	43, 250, 25
RGB Percent	17%, 98%, 10%
CMY	0.8314, 0.0196, 0.9019
CMYK	0.83, 0.00, 0.90, 0.02
HSL	115°, 96%, 54%
HSV	115°, 90%, 98%
XYZ	35.3573, 68.9550, 12.3658
YIQ	162.4570, -51.1470, -113.8590

# Conversions

## Conversions Part 2

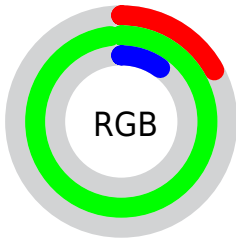
Format	Color
<a href="#">RYB</a>	<a href="#">25, 250, 232</a>
Decimal	<a href="#">2882073</a>
CIELab	<a href="#">86.48, -82.13, 79.84</a>
CIELCh	<a href="#">86, 114.544, 135.812</a>
Yxy	<a href="#">68.9550, 0.3030, 0.5910</a>
Android (android.graphics.Color)	<a href="#">4281072153 (0xFF2BFA19)</a>
YUV	<a href="#">162.4570, -67.7663, -104.7638</a>
Hunter-Lab	<a href="#">83.0391, -69.3149, 49.2982</a>

# Details

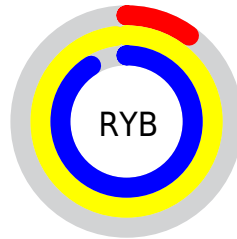
The XYZ color **35.3573, 68.9550, 12.3658** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **50.8906, 24.7583, 92.5428**, and the grayscale version is **34.8852, 36.7020, 39.9684**.

A 20% lighter version of the original color is **47.0179, 77.0690, 23.9530**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.4755, 68.5228, 11.4097**, and if you desaturate by 10%, it is **37.0100, 69.7628, 14.5347**.

# Distribution



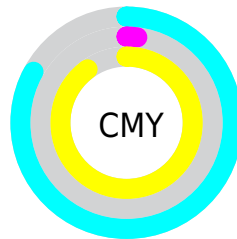
- Red (17%)
- Green (98%)
- Blue (10%)



- Red (10%)
- Yellow (98%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (90%)
- Black (2%)




- Cyan (83%)
- Magenta (2%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3573, 68.9550, 12.3658 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 35.3573, 68.9550, 12.3658 by changing the saturation by 10% instead.





 35.3573, 68.9550,  
12.3658


 35.3573, 68.9550,  
12.3658


317.6231,  
456.8722, 217.8753


 24.1060, 50.6751,  
6.8678


 67.3693, 117.7173,  
30.8339

 15.5375, 35.9501,  
3.3023


 88.8607, 148.9685,  
44.6411


 9.2862, 24.3956,  
1.2510


 114.4963,  
185.3121, 62.0550

 4.9869, 15.6274,  
0.0211

 144.6413,  
227.1327, 83.4942

 2.2743, 9.2609,  
0.0000

 179.6611,  
274.8146, 109.3774

 0.7815, 4.9117,  
0.0000

 219.9211,

 0.0000, 2.1956,

328.7423, 140.1229

0.0000

265.7867,  
389.3000, 176.1494

0.0000, 0.7176,  
0.0000

0.0000, 0.0000,  
0.0000

35.3573, 68.9550,  
12.3658

35.3573, 68.9550,  
12.3658

34.4755, 68.5228,  
11.4097


37.0100, 69.7628,  
14.5347


34.4751, 68.5225,  
11.4092

39.5779, 71.0063,  
18.2797

43.1711, 72.7397,  
23.8265

47.8831, 75.0069,  
31.3629

 53.7965, 77.8470,  
41.0536

 60.9863, 81.2954,  
53.0457

 69.5212, 85.3849,  
67.4737

 79.4651, 90.1454,  
84.4616

 90.8778, 95.6055,  
104.1250

# Harmonies

## Analogous

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



52.6059, 68.9550, 3.9995



35.3573, 68.9550, 12.3658



27.4955, 68.9550, 44.6764

# Triad

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



35.3573, 68.9550, 12.3658



53.8205, 68.9550, 324.2506



127.8517, 68.9550, 41.9080

# Complementary

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



35.3573, 68.9550, 12.3658



50.8906, 24.7583, 92.5428

# 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.



128.4365, 68.9550, 116.8575



35.3573, 68.9550, 12.3658



80.4366, 68.9550, 321.4187

# Square

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



35.3573, 68.9550, 12.3658



36.0387, 68.9550, 235.9921



109.3172, 68.9550, 229.7692



107.8866, 68.9550, 11.5073



# Rectangle

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



35.3573, 68.9550, 12.3658



26.7771, 68.9550, 90.8580



109.3172, 68.9550, 229.7692



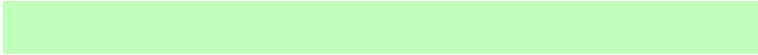
130.4722, 68.9550, 61.2437

# Sweetspot

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



35.3589, 68.9579, 12.3674



66.2892, 86.2327, 59.6888



68.2492, 77.6902, 12.3193



13.5748, 18.1631, 11.7431



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.



35.3589, 68.9579, 12.3674



36.0563, 71.6727, 11.9339



37.9039, 69.9072, 28.8738



17.1459, 19.3755, 18.2985



18.3314, 36.3685, 6.0537



1.7407, 3.3904, 0.5627



# Inverse Universe

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



50.8906, 24.7583, 92.5428



52.1859, 24.8177, 96.6475



45.7968, 23.4300, 33.6769



17.8481, 17.4499, 21.8128



26.5237, 12.6161, 49.0108

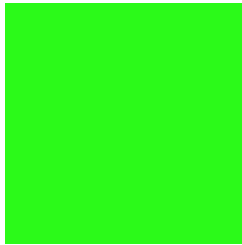


2.4959, 1.1888, 4.5411



# Previews

## White Background



This preview shows how the XYZ color 35.3573, 68.9550, 12.3658 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

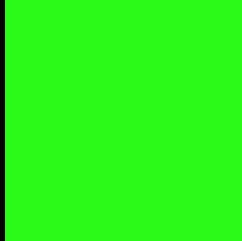
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.3573, 68.9550, 12.3658 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

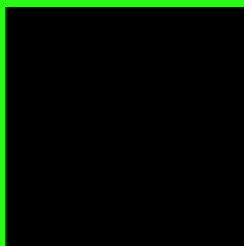
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.3573, 68.9550, 12.3658**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3573, 68.9550, 12.3658.



This preview shows how white text looks on a background with the XYZ color 35.3573, 68.9550,



# 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

35.3573, 68.9550, 12.3658

### Protanopia

60.9184, 67.4781, 9.8138

### Deuteranopia

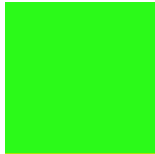
67.2076, 66.9611, 29.8046



## Tritanopia

52.8247, 68.0578, 101.6191

# Trichromacy



## Original Color

35.3573, 68.9550, 12.3658



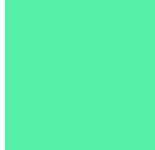
## Protanomaly

44.3703, 64.0526, 10.2833



## Deuteranomaly

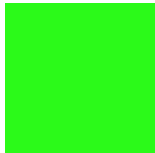
46.3697, 62.4629, 19.5101



## Tritanomaly

41.8657, 66.5760, 48.1800

# Monochromacy



## Original Color

35.3573, 68.9550, 12.3658



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

29.8242, 43.6754, 22.1875

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3573, 68.9550, 12.3658 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(43, 250, 25)` looks like.

```
.text, #text, p{  
    color:rgb(43, 250, 25)  
}
```

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(43, 250, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 250, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3573, 68.9550, 12.3658 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(43, 250, 25) }
```



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

```
.border{ border-color:rgb(43, 250, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 250, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 250, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 250, 25);  
box-shadow:4px 4px 4px 4px rgb(43, 250,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3573, 68.9550, 12.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 250, 25) }
```

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

```
.background{ background-color: rgb(43, 250,  
25) }
```

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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