

# Converting Colors

XYZ(35.3754, 69.5735, 11.6715)

Have a look what the booklet for  
XYZ(35.3754, 69.5735, 11.6715)  
contains.

<b>XYZ(35.2820, 69.3964, 11.6502)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.2820, 69.3964,  
11.6502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25FB04
RGB	37, 251, 4
RGB Percent	15%, 98%, 2%
CMY	0.8549, 0.0157, 0.9842
CMYK	0.85, 0.00, 0.98, 0.02
HSL	112°, 97%, 50%
HSV	112°, 98%, 98%
XYZ	35.2820, 69.3964, 11.6502
YIQ	158.8560, -48.2570, -122.1850

# Conversions

## Conversions Part 2

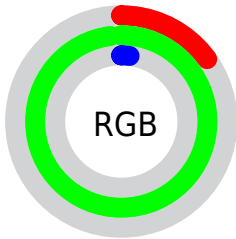
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 251, 218
Decimal	2489092
CIELab	86.70, -83.33, 82.12
CIELCh	87, 116.994, 135.419
Yxy	69.3964, 0.3033, 0.5966
Android (android.graphics.Color)	4280679172 (0xFF25FB04)
YUV	158.8560, -76.3440, -106.8677
Hunter-Lab	83.3045, -70.1827, 50.0214

# Details

The XYZ color **35.2820, 69.3964, 11.6502** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **46.3840, 21.9654, 93.0655**, and the grayscale version is **33.2460, 34.9773, 38.0903**.

A 20% lighter version of the original color is **46.4442, 76.8047, 22.5022**, and **19.0700, 38.1399, 6.3567** is the 20% darker color. If you saturate the color by 10%, you get **35.1418, 69.3288, 11.5296**, and if you desaturate by 10%, it is **36.5109, 70.0087, 12.7602**.

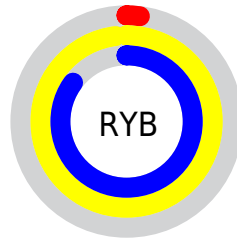
# Distribution



Red (15%)

Green (98%)

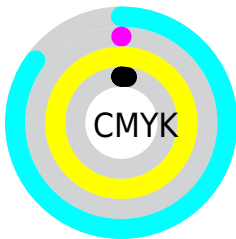
Blue (2%)



Red (2%)

Yellow (98%)

Blue (85%)

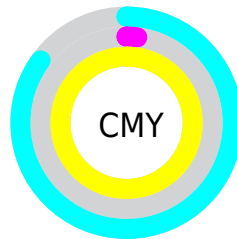


Cyan (85%)

Magenta (0%)

Yellow (98%)

Black (2%)



Cyan (85%)

Magenta (2%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2820, 69.3964, 11.6502 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 35.2820, 69.3964, 11.6502 by changing the saturation by 10% instead.





 35.2820, 69.3964,  
11.6502


 35.2820, 69.3964,  
11.6502


317.2976,  
458.4278, 212.9706


 24.0477, 51.0346,  
6.3863


 67.2535, 118.3476,  
29.5112

 15.4939, 36.2361,  
3.0088


 88.7215, 149.7057,  
42.9454


 9.2553, 24.6166,  
1.0991


 114.3314,  
186.1648, 59.9401

 4.9665, 15.7917,  
0.0000

 144.4486,  
228.1092, 80.9139

 2.2622, 9.3769,  
0.0000

 179.4385,  
275.9233, 106.2854

 0.7752, 4.9878,  
0.0000

 219.6664,

 0.0000, 2.2401,

329.9915, 136.4729

0.0000

265.4976,  
390.6982, 171.8952

■ 0.0000, 0.7417,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.2820, 69.3964,  
11.6502

■ 35.2820, 69.3964,  
11.6502

■ 35.1418, 69.3288,  
11.5296

■ 36.5109, 70.0087,  
12.7602

■ 38.5207, 70.9931,  
15.1925

■ 41.4302, 72.4061,  
19.2545

■ 45.3321, 74.2908,  
25.1648

■ 50.3071, 76.6848,  
33.1083

■ 56.4276, 79.6220,  
43.2475

■ 63.7596, 83.1331,  
55.7284

■ 72.3640, 87.2467,  
70.6845

■ 82.2976, 91.9894,  
88.2394

# Harmonies

## Analogous

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



53.0089, 69.3964, 3.6158



35.2820, 69.3964, 11.6502



27.1883, 69.3964, 43.7790

# Triad

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



35.2820, 69.3964, 11.6502



53.6499, 69.3964, 332.9577



130.3097, 69.3964, 42.3253

# Complementary

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



35.2820, 69.3964, 11.6502



46.3840, 21.9654, 93.0655

# 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.



130.6215, 69.3964, 119.8867



35.2820, 69.3964, 11.6502



80.8636, 69.3964, 331.4367

# Square

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



35.2820, 69.3964, 11.6502



35.6395, 69.3964, 240.3188



110.6602, 69.3964, 236.9855



109.8985, 69.3964, 11.2106



# Rectangle

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



35.2820, 69.3964, 11.6502



26.3927, 69.3964, 90.6060



110.6602, 69.3964, 236.9855



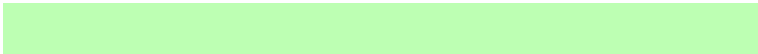
132.9226, 69.3964, 62.2809

# Sweetspot

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



35.2836, 69.3993, 11.6518



64.7605, 85.5362, 55.4801



63.8438, 68.5916, 9.9906



13.1605, 17.9727, 10.6785



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.



35.2836, 69.3993, 11.6518



36.4207, 71.8606, 11.9509



36.4150, 69.7695, 21.3273



17.2327, 19.4202, 18.3026



18.5386, 36.4753, 6.0634



1.7817, 3.4116, 0.5646



# Inverse Universe

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



46.3840, 21.9654, 93.0655



47.8591, 22.5872, 96.4450



46.5813, 23.2986, 37.4328



17.7518, 17.4002, 21.8082



24.3630, 11.5023, 48.9096

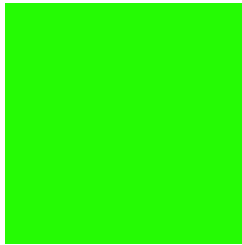


2.3176, 1.0968, 4.5327



# Previews

## White Background



This preview shows how the XYZ color 35.2820, 69.3964, 11.6502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

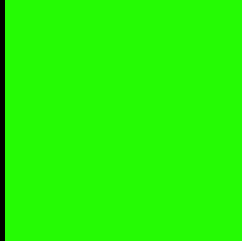
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.2820, 69.3964, 11.6502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

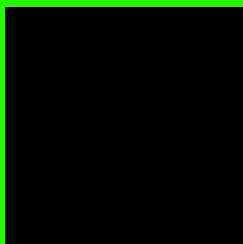
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.2820, 69.3964, 11.6502**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2820, 69.3964, 11.6502.



This preview shows how white text looks on a background with the XYZ color 35.2820, 69.3964,



# 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

35.2820, 69.3964, 11.6502

### Protanopia

60.9184, 67.4781, 9.8138

### Deuteranopia

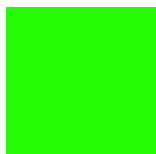
67.5821, 67.4974, 30.5854



## Tritanopia

53.1400, 68.6211, 102.5399

# Trichromacy



## Original Color

35.2820, 69.3964, 11.6502



## Protanomaly

43.6852, 63.7045, 10.0225



## Deuteranomaly

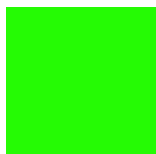
45.8924, 62.6456, 18.0605



## Tritanomaly

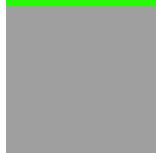
41.2490, 66.7678, 44.8959

# Monochromacy



## Original Color

35.2820, 69.3964, 11.6502



## Achromatopsia

32.9542, 34.6704, 37.7561



## Achromatomaly

28.3680, 42.3234, 19.5060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2820, 69.3964, 11.6502 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(37, 251, 4)` looks like.

```
.text, #text, p{  
    color:rgb(37, 251, 4)  
}
```

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(37, 251, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 251, 4) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2820, 69.3964, 11.6502 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(37, 251, 4) }
```



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

```
.border{ border-color:rgb(37, 251, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 251, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 251, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 251, 4);  
box-shadow:4px 4px 4px 4px rgb(37, 251, 4)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 35.2820, 69.3964, 11.6502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 251, 4) }
```

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

```
.background{ background-color: rgb(37, 251,  
4) }
```

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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