

Converting Colors

XYZ(36.9201, 69.7348, 11.5143)

Have a look what the booklet for
XYZ(36.9201, 69.7348, 11.5143)
contains.

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Color

**XYZ(36.9333, 69.7877,
11.5238)**

Conversions

Conversions Part 1

Format	Color
Hex	49FA00
RGB	73, 250, 0
RGB Percent	29%, 98%, 0%
CMY	0.7137, 0.0196, 0.9999
CMYK	0.71, 0.00, 1.00, 0.02
HSL	102°, 100%, 49%
HSV	102°, 100%, 98%
XYZ	36.9333, 69.7877, 11.5238
YIQ	168.5770, -25.2420, -115.2740

Conversions

Conversions Part 2

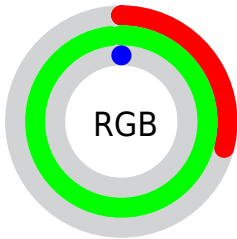
Format	Color
RYB	0, 250, 177
Decimal	4848128
CIELab	86.89, -78.64, 82.80
CIELCh	87, 114.191, 133.525
Yxy	69.7877, 0.3123, 0.5902
Android (android.graphics.Color)	4283038208 (0xFF49FA00)
YUV	168.5770, -83.1085, -83.8210
Hunter-Lab	83.5390, -67.2770, 50.2986

Details

The XYZ color **36.9333, 69.7877, 11.5238** 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 **35.3975, 16.2553, 91.7182**, and the grayscale version is **37.9131, 39.8876, 43.4376**.

A 20% lighter version of the original color is **49.5024, 78.3863, 22.4186**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **36.9327, 69.7895, 11.5242**, and if you desaturate by 10%, it is **38.6481, 70.6535, 12.5224**.

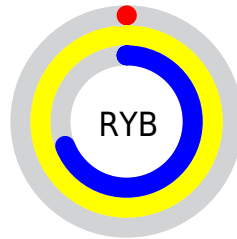
Distribution



Red (29%)

Green (98%)

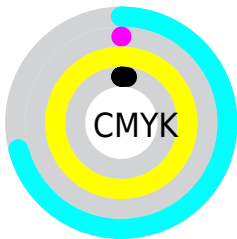
Blue (0%)



Red (0%)

Yellow (98%)

Blue (69%)

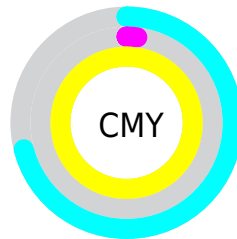


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (71%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9333, 69.7877, 11.5238 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 36.9333, 69.7877, 11.5238 by changing the saturation by 10% instead.


 36.9333, 69.7877,
11.5238


 36.9333, 69.7877,
11.5238


324.3822,
459.8042, 212.0915


 25.3293, 51.3535,
6.3017


 69.7847, 118.9060,
29.2761

 16.4526, 36.4900,
2.9577


 91.7628, 150.3588,
42.6434


 9.9379, 24.8129,
1.0731


 117.9296,
186.9199, 59.5629

 5.4197, 15.9377,
0.0000

 148.6505,
228.9738, 80.4530

 2.5328, 9.4801,
0.0000

 184.2909,
276.9047, 105.7324

 0.9118, 5.0556,
0.0000

 225.2160,

 0.0000, 2.2799,

331.0972, 135.8196

0.0000

271.7914,
391.9356, 171.1331

■ 0.0000, 0.7631,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9333, 69.7877,
11.5238

■ 36.9333, 69.7877,
11.5238

■ 36.9327, 69.7895,
11.5242

■ 38.6481, 70.6535,
12.5224

■ 40.9975, 71.8184,
14.7236

■ 44.0787, 73.3266,
18.4939

■ 47.9581, 75.2074,
24.0555

■ 52.6934, 77.4865,
31.5947

■ 58.3364, 80.1872,
41.2744

■ 64.9345, 83.3306,
53.2406

■ 72.5316, 86.9365,
67.6267

■ 81.1688, 91.0234,
84.5555

Harmonies

Analogous

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



55.0559, 69.7877, 3.9803



36.9333, 69.7877, 11.5238



28.3314, 69.7877, 41.5070

Triad

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



36.9333, 69.7877, 11.5238



52.8357, 69.7877, 321.4241



129.6572, 69.7877, 46.5772

Complementary

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



36.9333, 69.7877, 11.5238



35.3975, 16.2553, 91.7182

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.



128.5927, 69.7877, 125.6604



36.9333, 69.7877, 11.5238



79.0494, 69.7877, 326.5660

Square

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



36.9333, 69.7877, 11.5238



35.6851, 69.7877, 228.4533



108.2419, 69.7877, 239.7640



110.8482, 69.7877, 13.1109

Rectangle

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



36.9333, 69.7877, 11.5238



27.2085, 69.7877, 85.3699



108.2419, 69.7877, 239.7640



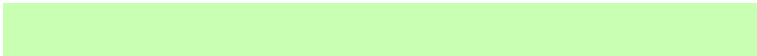
131.7380, 69.7877, 67.3180

Sweetspot

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



36.9349, 69.7906, 11.5254



67.8878, 87.1484, 55.6264



54.7590, 50.9906, 6.9571



13.8810, 18.3441, 10.7122



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.



36.9349, 69.7906, 11.5254



38.6174, 72.9930, 12.0537



34.7639, 68.6049, 14.4310



17.4934, 19.5546, 18.3148



19.7130, 37.0807, 6.1183



1.9264, 3.4862, 0.5714

Inverse Universe

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



35.3975, 16.2553, 91.7182



37.0050, 16.9917, 95.9371



49.8530, 24.4963, 56.7512



17.4707, 17.2553, 21.7951



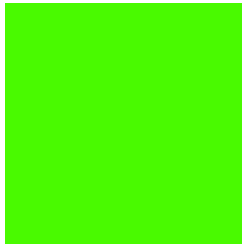
18.9239, 8.6983, 48.6551



1.8581, 0.8600, 4.5112

Previews

White Background



This preview shows how the XYZ color 36.9333, 69.7877, 11.5238 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 36.9333, 69.7877, 11.5238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

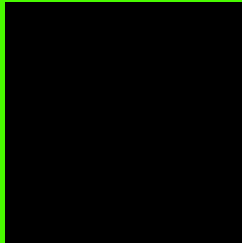
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9333, 69.7877, 11.5238

Background



This preview shows how black text looks on a background with the XYZ color 36.9333, 69.7877, 11.5238.



This preview shows how white text looks on a background with the XYZ color 36.9333, 69.7877,

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

36.9333, 69.7877, 11.5238

Protanopia

61.5180, 68.1664, 9.9151

Deuteranopia

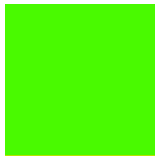
68.0295, 68.0652, 31.7427



Tritanopia

54.5814, 68.9633, 101.7013

Trichromacy



Original Color

36.9333, 69.7877, 11.5238



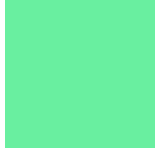
Protanomaly

46.7995, 65.3106, 10.1396



Deuteranomaly

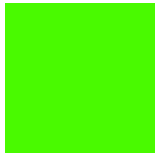
49.0136, 64.2500, 18.4125



Tritanomaly

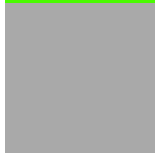
43.0374, 67.2743, 43.9746

Monochromacy



Original Color

36.9333, 69.7877, 11.5238



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

32.7324, 46.5392, 21.4451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9333, 69.7877, 11.5238 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(73, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 250, 0)  
}
```

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(73, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 250, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.9333, 69.7877, 11.5238 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(73, 250, 0) }
```


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

```
.border{ border-color:rgb(73, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 250, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.9333, 69.7877, 11.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 250, 0) }
```

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

```
.background{ background-color: rgb(73, 250,  
0) }
```

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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