

Converting Colors

XYZ(36.6051, 71.9557, 11.9596)

Have a look what the booklet for
XYZ(36.6051, 71.9557, 11.9596)
contains.

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Color

**XYZ(36.5967, 71.9513,
11.9592)**

Conversions

Conversions Part 1

Format	Color
Hex	27FF00
RGB	39, 255, 0
RGB Percent	15%, 100%, 0%
CMY	0.8471, 0.0000, 0.9998
CMYK	0.85, 0.00, 1.00, 0.00
HSL	111°, 100%, 50%
HSV	111°, 100%, 100%
XYZ	36.5967, 71.9513, 11.9592
YIQ	161.3460, -46.8810, -125.0970

Conversions

Conversions Part 2

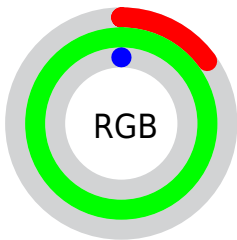
Format	Color
RYB	0, 255, 216
Decimal	2621184
CIELab	87.95, -84.29, 83.44
CIELCh	88, 118.600, 135.291
Yxy	71.9513, 0.3037, 0.5971
Android (android.graphics.Color)	4280811264 (0xFF27FF00)
YUV	161.3460, -79.5436, -107.2974
Hunter-Lab	84.8241, -71.4298, 51.0177

Details

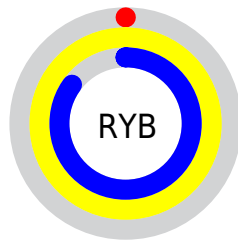
The XYZ color **36.5967, 71.9513, 11.9592** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **46.3814, 21.8260, 96.3760**, and the grayscale version is **34.4146, 36.2069, 39.4293**.

A 20% lighter version of the original color is **46.7450, 76.9598, 22.5162**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.5954, 71.9507, 11.9591**, and if you desaturate by 10%, it is **37.8415, 72.5721, 12.9640**.

Distribution



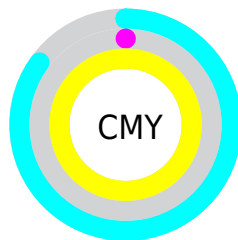
- Red (15%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (85%)



- Cyan (85%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5967, 71.9513, 11.9592 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 36.5967, 71.9513, 11.9592 by changing the saturation by 10% instead.


 36.5967, 71.9513,
11.9592

 36.5967, 71.9513,
11.9592


322.9471,
467.3721, 215.1033


 25.0676, 53.1189,
6.5937


 69.2699, 121.9873,
30.0841

 16.2564, 37.8977,
3.1348


 91.1448, 153.9597,
43.6805


 9.7978, 25.9033,
1.1639


 117.1990,
191.0808, 60.8577

 5.3263, 16.7513,
0.0000

 147.7979,
233.7351, 82.0341

 2.4767, 10.0573,
0.0000

 183.3067,
282.3070, 107.6283

 0.8835, 5.4370,
0.0000

 224.0910,

 0.0000, 2.5059,

337.1809, 138.0589

0.0000

270.5160,
398.7411, 173.7444

■ 0.0000, 0.8796,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5967, 71.9513,
11.9592

■ 36.5967, 71.9513,
11.9592

■ 36.5954, 71.9507,
11.9591

■ 37.8415, 72.5721,
12.9640

■ 39.8562, 73.5625,
15.2351

■ 42.7704, 74.9811,
19.1551

■ 46.6783, 76.8713,
24.9585

■ 51.6619, 79.2711,
32.8420

■ 57.7941, 82.2144,
42.9777

■ 65.1416, 85.7322,
55.5195

■ 73.7658, 89.8531,
70.6081

■ 83.7238, 94.6037,
88.3731

Harmonies

Analogous

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



55.0416, 71.9513, 3.7059



36.5967, 71.9513, 11.9592



28.1602, 71.9513, 45.1157

Triad

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



36.5967, 71.9513, 11.9592



55.5045, 71.9513, 345.6190



135.2877, 71.9513, 44.0663

Complementary

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



36.5967, 71.9513, 11.9592



46.3814, 21.8260, 96.3760

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.



135.5131, 71.9513, 124.8408



36.5967, 71.9513, 11.9592



83.7333, 71.9513, 344.5189

Square

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



36.5967, 71.9513, 11.9592



36.8547, 71.9513, 249.0183



114.7005, 71.9513, 246.6080



114.1500, 71.9513, 11.6425

Rectangle

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



36.5967, 71.9513, 11.9592



27.3120, 71.9513, 93.5794



114.7005, 71.9513, 246.6080



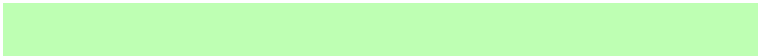
137.9704, 71.9513, 64.8568

Sweetspot

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



36.5969, 71.9514, 11.9603



65.1288, 85.7261, 55.4973



64.9106, 68.6009, 9.8213



13.2448, 18.0161, 10.6825



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.



36.5969, 71.9514, 11.9603



36.5954, 71.9507, 11.9591



37.4013, 72.1766, 20.5603



18.0299, 20.3013, 19.1126



19.1984, 37.6352, 6.2525



1.9413, 3.7015, 0.6121

Inverse Universe

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



46.3814, 21.8260, 96.3760



46.3791, 21.8242, 96.3758



48.4974, 24.1637, 40.1450



18.5039, 18.1515, 22.7783



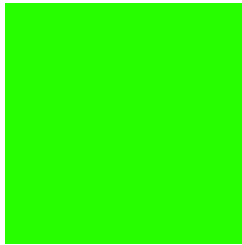
24.3371, 11.4567, 50.3632



2.4401, 1.1518, 4.9070

Previews

White Background



This preview shows how the XYZ color 36.5967, 71.9513, 11.9592 looks on a white background.

Color Contrast Check

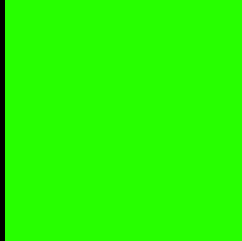
Large Text (above 18pt) WCAG AA × Fail

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 36.5967, 71.9513, 11.9592 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 36.5967, 71.9513, 11.9592

Background



This preview shows how black text looks on a background with the XYZ color 36.5967, 71.9513, 11.9592.



This preview shows how white text looks on a background with the XYZ color 36.5967, 71.9513,

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

36.5967, 71.9513, 11.9592

Protanopia

63.3376, 70.2559, 10.2225

Deuteranopia

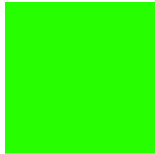
69.6451, 69.8929, 36.6080



Tritanopia

55.5167, 71.0625, 105.3981

Trichromacy



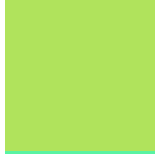
Original Color

36.5967, 71.9513, 11.9592



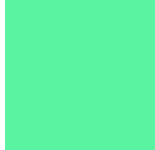
Protanomaly

45.6512, 66.3712, 10.4048



Deuteranomaly

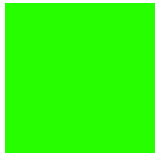
47.3053, 64.9410, 20.1668



Tritanomaly

42.6920, 68.8337, 45.2185

Monochromacy



Original Color

36.5967, 71.9513, 11.9592



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.2495, 43.7714, 19.4775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5967, 71.9513, 11.9592 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(39, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(39, 255, 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(39, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.5967, 71.9513, 11.9592 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(39, 255, 0) }
```


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

```
.border{ border-color:rgb(39, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(39, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(39, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.5967, 71.9513, 11.9592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 255, 0) }
```

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

```
.background{ background-color: rgb(39, 255,  
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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