

Converting Colors

XYZ(36.2764, 71.7862, 11.9442)

Have a look what the booklet for
XYZ(36.2764, 71.7862, 11.9442)
contains.

XYZ(36.2667, 71.7812, 11.9437)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.2667, 71.7812,
11.9437)**

Conversions

Conversions Part 1

Format	Color
Hex	1DFF00
RGB	29, 255, 0
RGB Percent	11%, 100%, 0%
CMY	0.8863, 0.0000, 0.9998
CMYK	0.89, 0.00, 1.00, 0.00
HSL	113°, 100%, 50%
HSV	113°, 100%, 100%
XYZ	36.2667, 71.7812, 11.9437
YIQ	158.3560, -52.8410, -127.2170

Conversions

Conversions Part 2

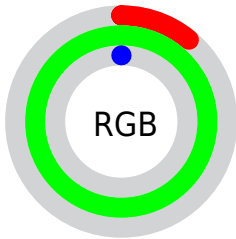
Format	Color
RYB	0, 255, 226
Decimal	1965824
CIELab	87.86, -85.03, 83.34
CIElCh	88, 119.059, 135.577
Yxy	71.7812, 0.3022, 0.5982
Android (android.graphics.Color)	4280155904 (0xFF1DFF00)
YUV	158.3560, -78.0695, -113.4452
Hunter-Lab	84.7238, -71.8583, 50.9484

Details

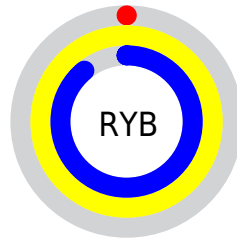
The XYZ color **36.2667, 71.7812, 11.9437** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **49.4265, 23.3958, 96.5185**, and the grayscale version is **33.0248, 34.7447, 37.8370**.

A 20% lighter version of the original color is **46.2960, 76.7283, 22.4952**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.2657, 71.7807, 11.9437**, and if you desaturate by 10%, it is **37.3372, 72.3121, 12.9402**.

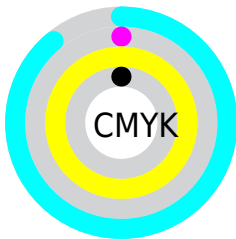
Distribution



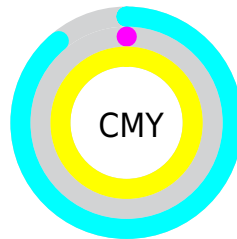
- Red (11%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (89%)



- Cyan (89%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (89%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2667, 71.7812, 11.9437 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 36.2667, 71.7812, 11.9437 by changing the saturation by 10% instead.


 36.2667, 71.7812,
11.9437


 36.2667, 71.7812,
11.9437


321.5357,
466.7797, 214.9969


 24.8113, 52.9800,
6.5833


 68.7647, 121.7454,
30.0554

 16.0645, 37.7868,
3.1284


 90.5380, 153.6772,
43.6437


 9.6610, 25.8172,
1.1606


 116.4813,
190.7545, 60.8118

 5.2353, 16.6870,
0.0000

 146.9600,
233.3619, 81.9781

 2.4221, 10.0116,
0.0000

 182.3395,
281.8838, 107.5613

 0.8562, 5.4066,
0.0000

 222.9850,

 0.0000, 2.4878,

336.7044, 137.9797

0.0000

269.2619,
398.2082, 173.6521

■ 0.0000, 0.8705,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2667, 71.7812,
11.9437

■ 36.2667, 71.7812,
11.9437

■ 36.2657, 71.7807,
11.9437

■ 37.3372, 72.3121,
12.9402

■ 39.1984, 73.2234,
15.2040

■ 41.9929, 74.5803,
19.1183

■ 45.8249, 76.4314,
24.9180

■ 50.7843, 78.8187,
32.8002

■ 56.9513, 81.7799,
42.9373

■ 64.3985, 85.3492,
55.4836

■ 73.1931, 89.5579,
70.5799

■ 83.3971, 94.4353,
88.3562

Harmonies

Analogous

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



54.6278, 71.7812, 3.6332



36.2667, 71.7812, 11.9437



27.9209, 71.7812, 45.4039

Triad

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



36.2667, 71.7812, 11.9437



55.5463, 71.7812, 347.2174



135.2384, 71.7812, 43.3243

Complementary

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



36.2667, 71.7812, 11.9437



49.4265, 23.3958, 96.5185

Split Complementary

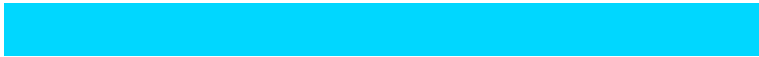
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



135.6868, 71.7812, 123.7712



36.2667, 71.7812, 11.9437



83.9118, 71.7812, 345.0252

Square

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



36.2667, 71.7812, 11.9437



36.7780, 71.7812, 250.7288



114.9527, 71.7812, 245.9290



113.8582, 71.7812, 11.3201

Rectangle

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



36.2667, 71.7812, 11.9437



27.1250, 71.7812, 94.3081



114.9527, 71.7812, 245.9290



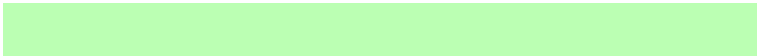
138.0054, 71.7812, 63.9648

Sweetspot

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



36.2669, 71.7813, 11.9448



64.3862, 85.3432, 55.4626



68.2343, 75.2482, 10.9291



13.0750, 17.9286, 10.6745



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.



36.2669, 71.7813, 11.9448



36.2657, 71.7807, 11.9437



37.9544, 72.3978, 23.4732



17.9631, 20.2669, 19.1095



19.0102, 37.5382, 6.2437



1.9100, 3.6854, 0.6107

Inverse Universe

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



49.4265, 23.3958, 96.5185



49.4247, 23.3943, 96.5183



47.3489, 23.7042, 34.0968



18.5775, 18.1895, 22.7817



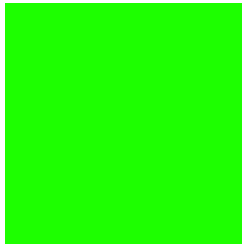
25.9067, 12.2659, 50.4367



2.5778, 1.2228, 4.9134

Previews

White Background



This preview shows how the XYZ color 36.2667, 71.7812, 11.9437 looks on a white background.

Color Contrast Check

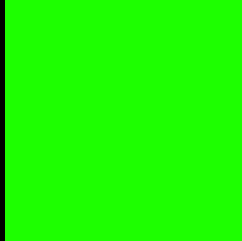
Large Text (above 18pt) WCAG AA × Fail

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 36.2667, 71.7812, 11.9437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

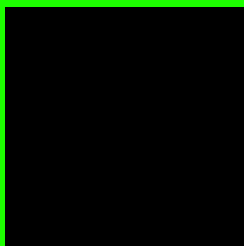
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2667, 71.7812, 11.9437

Background



This preview shows how black text looks on a background with the XYZ color 36.2667, 71.7812, 11.9437.



This preview shows how white text looks on a background with the XYZ color 36.2667, 71.7812,

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

36.2667, 71.7812, 11.9437

Protanopia

63.3376, 70.2559, 10.2225

Deuteranopia

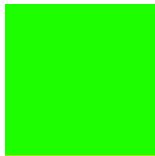
69.5683, 69.8621, 36.2037



Tritanopia

55.2479, 70.9239, 105.3856

Trichromacy



Original Color

36.2667, 71.7812, 11.9437



Protanomaly

44.7930, 65.9287, 10.3647



Deuteranomaly

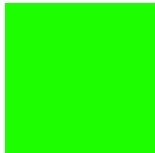
46.6344, 64.5951, 20.1354



Tritanomaly

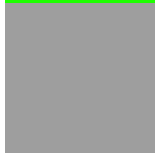
42.2283, 68.5946, 45.1968

Monochromacy



Original Color

36.2667, 71.7812, 11.9437



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

27.9745, 42.4590, 19.0329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2667, 71.7812, 11.9437 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(29, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(29, 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(29, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.2667, 71.7812, 11.9437 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(29, 255, 0) }
```


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

```
.border{ border-color:rgb(29, 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(29, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(29, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2667, 71.7812, 11.9437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 255, 0) }
```

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

```
.background{ background-color: rgb(29, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor