

Converting Colors

XYZ(35.9298, 71.5879, 12.8142)

Have a look what the booklet for
XYZ(35.9298, 71.5879, 12.8142)
contains.

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Color

**XYZ(35.9249, 71.5859,
12.7882)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF18
RGB	0, 255, 24
RGB Percent	0%, 100%, 9%
CMY	1.0000, 0.0000, 0.9058
CMYK	1.00, 0.00, 0.91, 0.00
HSL	126°, 100%, 50%
HSV	126°, 100%, 100%
XYZ	35.9249, 71.5859, 12.7882
YIQ	152.4210, -77.8290, -125.9010

Conversions

Conversions Part 2

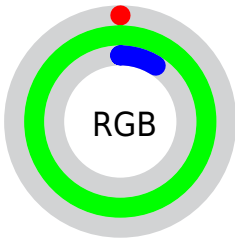
Format	Color
RYB	0, 233, 255
Decimal	65304
CIELab	87.77, -85.77, 80.97
CIELCh	88, 117.949, 136.649
Yxy	71.5859, 0.2986, 0.5951
Android (android.graphics.Color)	4278255384 (0xFF00FF18)
YUV	152.4210, -63.3116, -133.6732
Hunter-Lab	84.6085, -72.2734, 50.2645

Details

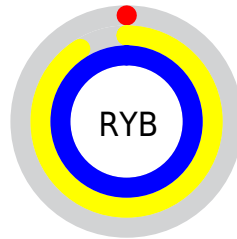
The XYZ color **35.9249, 71.5859, 12.7882** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **55.6618, 27.0288, 77.8737**, and the grayscale version is **30.3189, 31.8978, 34.7367**.

A 20% lighter version of the original color is **45.7579, 76.4139, 24.1421**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.9250, 71.5860, 12.7890**, and if you desaturate by 10%, it is **36.6890, 71.9394, 14.6540**.

Distribution



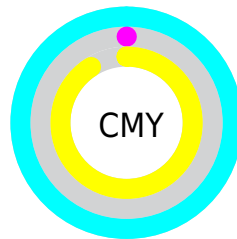
- Red (0%)
- Green (100%)
- Blue (9%)



- Red (0%)
- Yellow (91%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9249, 71.5859, 12.7882 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 35.9249, 71.5859, 12.7882 by changing the saturation by 10% instead.


 35.9249, 71.5859,
12.7882


 35.9249, 71.5859,
12.7882


320.0691,
466.0990, 220.7157


 24.5460, 52.8205,
7.1539


 68.2408, 121.4676,
31.6083

 15.8661, 37.6595,
3.4786


 89.9085, 153.3527,
45.6312


 9.5197, 25.7185,
1.3439


 115.7365,
190.3797, 63.2873

 5.1415, 16.6132,
0.0974

 146.0903,
232.9332, 84.9953

 2.3661, 9.9591,
0.0000

 181.3350,
281.3975, 111.1735

 0.8282, 5.3718,
0.0000

 221.8362,

 0.0000, 2.4670,

336.1569, 142.2407

0.0000

267.9591,
397.5960, 178.6152

■ 0.0000, 0.8601,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9249, 71.5859,
12.7882

■ 35.9249, 71.5859,
12.7882


■ 35.9250, 71.5860,
12.7890


■ 36.6890, 71.9394,
14.6540


■ 38.2379, 72.6689,
17.8417


■ 40.7707, 73.8733,
22.5397


■ 44.4168, 75.6158,
28.9041

 49.2858, 77.9501,
37.0715

 55.4742, 80.9234,
47.1642

 63.0686, 84.5778,
59.2941

 72.1485, 88.9522,
73.5644

 82.7872, 94.0823,
90.0712

Harmonies

Analogous

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



53.7541, 71.5859, 3.8966



35.9249, 71.5859, 12.7882



27.9561, 71.5859, 47.4920

Triad

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



35.9249, 71.5859, 12.7882



56.3524, 71.5859, 344.7159



133.7371, 71.5859, 41.5946

Complementary

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



35.9249, 71.5859, 12.7882



55.6618, 27.0288, 77.8737

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.



134.9993, 71.5859, 119.2356



35.9249, 71.5859, 12.7882



84.6568, 71.5859, 338.5653

Square

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



35.9249, 71.5859, 12.7882



37.3751, 71.5859, 252.3670



115.1666, 71.5859, 238.8830



112.0830, 71.5859, 10.9985

Rectangle

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



35.9249, 71.5859, 12.7882



27.3566, 71.5859, 97.1918



115.1666, 71.5859, 238.8830



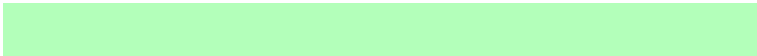
136.7319, 71.5859, 61.4230

Sweetspot

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



35.9252, 71.5861, 12.7894



63.0666, 84.5769, 59.2909



69.6099, 88.9702, 13.5043



12.7757, 17.7548, 11.5415



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.



35.9252, 71.5861, 12.7894



35.9250, 71.5860, 12.7890



41.1652, 73.6821, 40.3828



17.8410, 20.1959, 19.4659



18.7946, 37.4145, 6.8039



1.8522, 3.6518, 0.7797

Inverse Universe

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



55.6618, 27.0288, 77.8737



55.6616, 27.0287, 77.8732



43.8548, 22.3060, 15.6990



18.7146, 18.2691, 22.3800



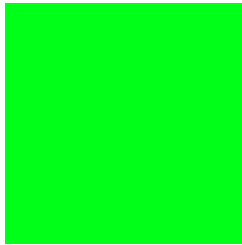
29.1147, 14.1352, 40.8501



2.8554, 1.3845, 4.0860

Previews

White Background



This preview shows how the XYZ color 35.9249, 71.5859, 12.7882 looks on a white background.

Color Contrast Check

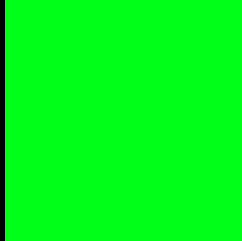
Large Text (above 18pt) WCAG AA × Fail

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 35.9249, 71.5859, 12.7882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

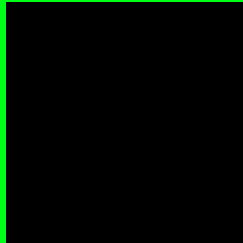
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

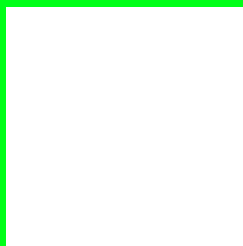
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9249, 71.5859, 12.7882

Background



This preview shows how black text looks on a background with the XYZ color 35.9249, 71.5859, 12.7882.

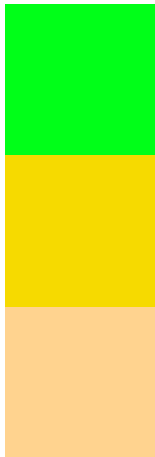


This preview shows how white text looks on a background with the XYZ color 35.9249, 71.5859,

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

35.9249, 71.5859, 12.7882

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

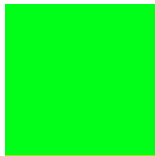
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.9249, 71.5859, 12.7882



Protanomaly

42.5298, 64.3396, 10.4357



Deuteranomaly

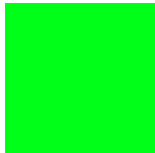
44.6696, 63.5397, 21.9666



Tritanomaly

42.0738, 68.4192, 49.5168

Monochromacy



Original Color

35.9249, 71.5859, 12.7882



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.6772, 39.9565, 19.7237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9249, 71.5859, 12.7882 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(0, 255, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 24)  
}
```

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(0, 255, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 24) }
```

Border

The CSS property to change the border of an element to XYZ 35.9249, 71.5859, 12.7882 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(0, 255, 24) }
```


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

```
.border{ border-color:rgb(0, 255, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.9249, 71.5859, 12.7882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 24) }
```

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

```
.background{ background-color: rgb(0, 255,  
24) }
```

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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