

Converting Colors

XYZ(35.9560, 71.5984, 12.9522)

Have a look what the booklet for
XYZ(35.9560, 71.5984, 12.9522)
contains.

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Color

**XYZ(35.9578, 71.5991,
12.9618)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF1B
RGB	0, 255, 27
RGB Percent	0%, 100%, 11%
CMY	1.0000, 0.0000, 0.8940
CMYK	1.00, 0.00, 0.89, 0.00
HSL	126°, 100%, 50%
HSV	126°, 100%, 100%
XYZ	35.9578, 71.5991, 12.9618
YIQ	152.7630, -78.7920, -124.9680

Conversions

Conversions Part 2

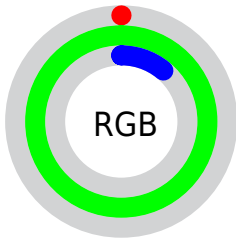
Format	Color
RYB	0, 231, 255
Decimal	65307
CIELab	87.78, -85.69, 80.54
CIELCh	88, 117.593, 136.774
Yxy	71.5991, 0.2984, 0.5941
Android (android.graphics.Color)	4278255387 (0xFF00FF1B)
YUV	152.7630, -62.0012, -133.9732
Hunter-Lab	84.6163, -72.2246, 50.1491

Details

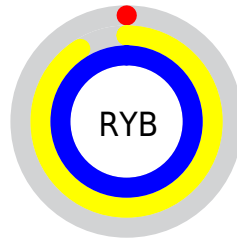
The XYZ color **35.9578, 71.5991, 12.9618** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **55.2409, 26.8604, 75.6577**, and the grayscale version is **30.4619, 32.0482, 34.9005**.

A 20% lighter version of the original color is **45.8060, 76.4332, 24.3954**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.9581, 71.5992, 12.9629**, and if you desaturate by 10%, it is **36.7451, 71.9618, 14.9504**.

Distribution



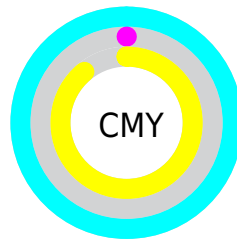
- Red (0%)
- Green (100%)
- Blue (11%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9578, 71.5991, 12.9618 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 35.9578, 71.5991, 12.9618 by changing the saturation by 10% instead.


 35.9578, 71.5991,
12.9618


 35.9578, 71.5991,
12.9618


320.2105,
466.1450, 221.8719


 24.5716, 52.8313,
7.2718


 68.2912, 121.4864,
31.9253

 15.8852, 37.6681,
3.5517


 89.9691, 153.3746,
46.0359


 9.5333, 25.7252,
1.3828


 115.8083,
190.4051, 63.7905

 5.1505, 16.6182,
0.1282

 146.1741,
232.9622, 85.6076

 2.3715, 9.9626,
0.0000

 181.4318,
281.4304, 111.9058

 0.8309, 5.3742,
0.0000

 221.9469,

 0.0000, 2.4684,

336.1940, 143.1035

0.0000

268.0847,
397.6374, 179.6194

■ 0.0000, 0.8608,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9578, 71.5991,
12.9618

■ 35.9578, 71.5991,
12.9618


■ 35.9581, 71.5992,
12.9629


■ 36.7451, 71.9618,
14.9504


■ 38.3151, 72.6998,
18.2498


■ 40.8648, 73.9108,
23.0377


■ 44.5221, 75.6578,
29.4624

 49.3955, 77.9939,
37.6540

 55.5804, 80.9657,
47.7296

 63.1625, 84.6152,
59.7961

 72.2205, 88.9809,
73.9527

 82.8271, 94.0981,
90.2917

Harmonies

Analogous

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



53.7089, 71.5991, 3.9725



35.9578, 71.5991, 12.9618



28.0355, 71.5991, 47.8141

Triad

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



35.9578, 71.5991, 12.9618



56.4968, 71.5991, 343.7454



133.4605, 71.5991, 41.4809

Complementary

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



35.9578, 71.5991, 12.9618



55.2409, 26.8604, 75.6577

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.



134.8125, 71.5991, 118.6809



35.9578, 71.5991, 12.9618



84.7470, 71.5991, 337.1651

Square

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



35.9578, 71.5991, 12.9618



37.5154, 71.5991, 252.1616



115.1307, 71.5991, 237.7288



111.8269, 71.5991, 11.0318

Rectangle

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



35.9578, 71.5991, 12.9618



27.4587, 71.5991, 97.5315



115.1307, 71.5991, 237.7288



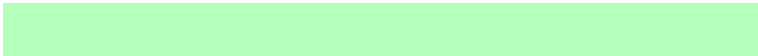
136.4739, 71.5991, 61.1980

Sweetspot

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



35.9581, 71.5992, 12.9629



63.1625, 84.6152, 59.7961



68.2329, 88.2604, 13.4397



12.7976, 17.7636, 11.6565



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.



35.9581, 71.5992, 12.9629



41.5098, 73.8199, 42.1979



17.8498, 20.1994, 19.5119



18.8140, 37.4222, 6.9058



1.8563, 3.6535, 0.8013

Inverse Universe

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



55.2409, 26.8604, 75.6577



43.6383, 22.2193, 14.5591



18.7048, 18.2652, 22.3288



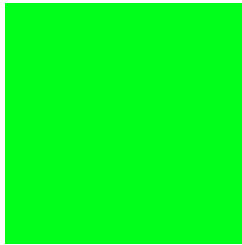
28.8981, 14.0485, 39.7093



2.8365, 1.3770, 3.9865

Previews

White Background



This preview shows how the XYZ color 35.9578, 71.5991, 12.9618 looks on a white background.

Color Contrast Check

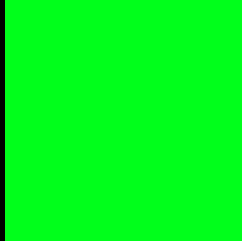
Large Text (above 18pt) WCAG AA × Fail

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 35.9578, 71.5991, 12.9618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

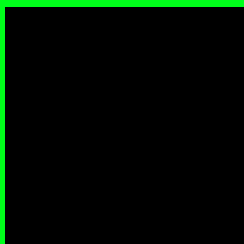
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9578, 71.5991, 12.9618

Background



This preview shows how black text looks on a background with the XYZ color 35.9578, 71.5991, 12.9618.



This preview shows how white text looks on a background with the XYZ color 35.9578, 71.5991,

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

35.9578, 71.5991, 12.9618

Protanopia

63.1267, 69.7554, 10.3954

Deuteranopia

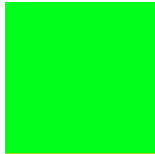
69.5683, 69.8621, 36.2037



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

35.9578, 71.5991, 12.9618



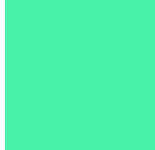
Protanomaly

42.5741, 64.3573, 10.6685



Deuteranomaly

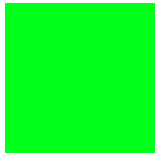
44.7183, 63.5591, 22.2232



Tritanomaly

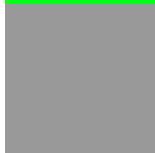
42.2446, 68.4962, 50.0243

Monochromacy



Original Color

35.9578, 71.5991, 12.9618



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

25.9971, 40.4298, 20.3435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9578, 71.5991, 12.9618 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 27) }
```

Border

The CSS property to change the border of an element to XYZ 35.9578, 71.5991, 12.9618 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, 27) }
```

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

```
.border{ border-color:rgb(0, 255, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.9578, 71.5991, 12.9618 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, 27) }
```

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

```
.background{ background-color: rgb(0, 255,  
27) }
```

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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