

Converting Colors

XYZ(32.0473, 63.7415, 11.7710)

Have a look what the booklet for
XYZ(32.0473, 63.7415, 11.7710)
contains.

XYZ(31.9739, 63.5930, 11.7519)	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(31.9739, 63.5930,
11.7519)**

Conversions

Conversions Part 1

Format	Color
Hex	00F21D
RGB	0, 242, 29
RGB Percent	0%, 95%, 11%
CMY	1.0000, 0.0510, 0.8862
CMYK	1.00, 0.00, 0.88, 0.05
HSL	127°, 100%, 47%
HSV	127°, 100%, 95%
XYZ	31.9739, 63.5930, 11.7519
YIQ	145.3600, -75.8590, -117.5470

Conversions

Conversions Part 2

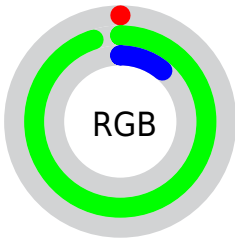
Format	Color
RYB	0, 216, 242
Decimal	61981
CIELab	83.75, -82.23, 76.76
CIELCh	84, 112.493, 136.969
Yxy	63.5930, 0.2979, 0.5926
Android (android.graphics.Color)	4278252061 (0xFF00F21D)
YUV	145.3600, -57.3655, -127.4807
Hunter-Lab	79.7452, -67.9844, 47.0842

Details

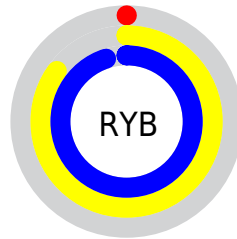
The XYZ color **31.9739, 63.5930, 11.7519** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **48.6282, 23.6815, 64.9512**, and the grayscale version is **27.3107, 28.7330, 31.2902**.

A 20% lighter version of the original color is **45.2146, 76.1339, 24.1166**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **31.9754, 63.5956, 11.7533**, and if you desaturate by 10%, it is **32.7174, 63.9365, 13.6699**.

Distribution



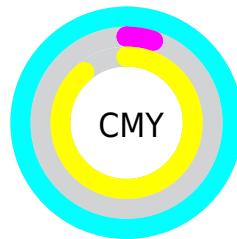
- Red (0%)
- Green (95%)
- Blue (11%)



- Red (0%)
- Yellow (85%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9739, 63.5930, 11.7519 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 31.9739, 63.5930, 11.7519 by changing the saturation by 10% instead.


 31.9739, 63.5930,
11.7519


 31.9739, 63.5930,
11.7519


302.7477,
437.7184, 213.6751

 21.4970, 46.3211,
6.4545


 62.1356, 110.0246,
29.7000

 13.6023, 32.4993,
3.0501

 82.5512, 139.9531,
43.1878


 7.9244, 21.7431,
1.1203


 107.0104,
174.8692, 60.2429

 4.0980, 13.6683,
0.0000

 135.8785,
215.1574, 81.2836

 1.7577, 7.8903,
0.0000

 169.5210,
261.2020, 106.7287

 0.4920, 4.0248,
0.0000

 208.3031,

 0.0000, 1.6875,

313.3874, 136.9966

0.0000

252.5902,
372.0981, 172.5059

■ 0.0000, 0.4155,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.9739, 63.5930,
11.7519

■ 31.9739, 63.5930,
11.7519

■ 31.9754, 63.5956,
11.7533

■ 32.7174, 63.9365,
13.6699

■ 34.1485, 64.6079,
16.7358

■ 36.4429, 65.6966,
21.0956

■ 39.7114, 67.2571,
26.8716

■ 44.0481, 69.3356,
34.1720

■ 49.5357, 71.9728,
43.0942

■ 56.2489, 75.2052,
53.7277

■ 64.2560, 79.0662,
66.1554

■ 73.6202, 83.5868,
80.4548

Harmonies

Analogous

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



47.6277, 63.5930, 3.6340



31.9739, 63.5930, 11.7519



25.0038, 63.5930, 42.9026

Triad

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



31.9739, 63.5930, 11.7519



50.3649, 63.5930, 303.8773



118.1209, 63.5930, 36.6764

Complementary

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



31.9739, 63.5930, 11.7519



48.6282, 23.6815, 64.9512

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.



119.4446, 63.5930, 104.6175



31.9739, 63.5930, 11.7519



75.3733, 63.5930, 297.4459

Square

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



31.9739, 63.5930, 11.7519



33.5055, 63.5930, 223.6125



102.1770, 63.5930, 209.4966



98.9406, 63.5930, 9.8421

Rectangle

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



31.9739, 63.5930, 11.7519



24.5232, 63.5930, 87.0699



102.1770, 63.5930, 209.4966



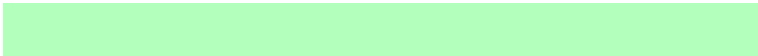
120.8218, 63.5930, 54.0305

Sweetspot

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



31.9754, 63.5956, 11.7533



63.2768, 84.6610, 60.3980



59.4181, 77.7685, 11.8792



12.8236, 17.7740, 11.7938



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.



31.9754, 63.5956, 11.7533



36.0017, 71.6167, 13.1930



37.1971, 65.6843, 39.2505



15.6430, 17.6872, 17.1429



17.2025, 34.1730, 6.4491



1.4559, 2.8528, 0.6671

Inverse Universe

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



48.6282, 23.6815, 64.9512



54.7524, 26.6650, 73.0854



38.5850, 19.6642, 12.0641



16.3679, 15.9969, 19.4935



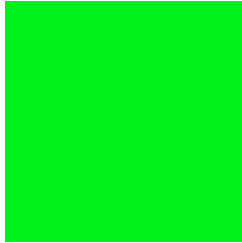
26.1564, 12.7350, 35.0696



2.1988, 1.0686, 3.0376

Previews

White Background



This preview shows how the XYZ color 31.9739, 63.5930, 11.7519 looks on a white background.

Color Contrast Check

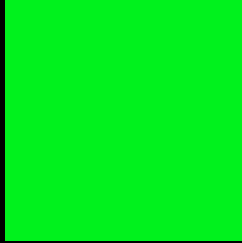
Large Text (above 18pt) WCAG AA × Fail

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 31.9739, 63.5930, 11.7519 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 31.9739, 63.5930, 11.7519

Background



This preview shows how black text looks on a background with the XYZ color 31.9739, 63.5930, 11.7519.



This preview shows how white text looks on a background with the XYZ color 31.9739, 63.5930,

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

31.9739, 63.5930, 11.7519

Protanopia

56.0106, 61.9867, 9.5028

Deuteranopia

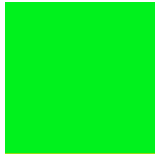
62.9677, 61.8971, 17.8611



Tritanopia

48.4697, 63.0882, 94.4166

Trichromacy



Original Color

31.9739, 63.5930, 11.7519



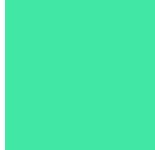
Protanomaly

37.9413, 57.5364, 9.8154



Deuteranomaly

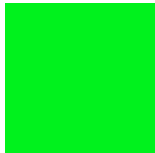
39.7077, 55.6751, 13.9638



Tritanomaly

37.4818, 60.9584, 45.3880

Monochromacy



Original Color

31.9739, 63.5930, 11.7519



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.1831, 35.8971, 18.5389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9739, 63.5930, 11.7519 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, 242, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 29)  
}
```

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, 242, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 29) }
```

Border

The CSS property to change the border of an element to XYZ 31.9739, 63.5930, 11.7519 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, 242, 29) }
```


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

```
.border{ border-color:rgb(0, 242, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 29)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.9739, 63.5930, 11.7519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 29) }
```

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

```
.background{ background-color: rgb(0, 242,  
29) }
```

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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