

Converting Colors

XYZ(37.1462, 72.0745, 19.2196)

Have a look what the booklet for
XYZ(37.1462, 72.0745, 19.2196)
contains.

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Color

**XYZ(37.1351, 72.0701,
19.1614)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF4E
RGB	0, 255, 78
RGB Percent	0%, 100%, 31%
CMY	1.0000, 0.0000, 0.6941
CMYK	1.00, 0.00, 0.69, 0.00
HSL	138°, 100%, 50%
HSV	138°, 100%, 100%
XYZ	37.1351, 72.0701, 19.1614
YIQ	158.5770, -95.1630, -109.1070

Conversions

Conversions Part 2

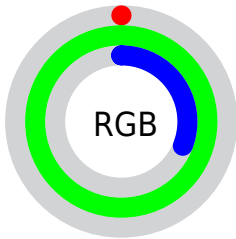
Format	Color
RYB	0, 195, 255
Decimal	65358
CIELab	88.00, -82.76, 67.24
CIELCh	88, 106.630, 140.908
Yxy	72.0701, 0.2893, 0.5614
Android (android.graphics.Color)	4278255438 (0xFF00FF4E)
YUV	158.5770, -39.7245, -139.0720
Hunter-Lab	84.8941, -70.4837, 46.0436

Details

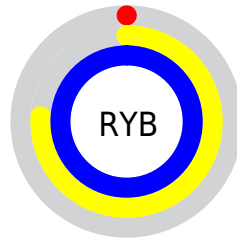
The XYZ color **37.1351, 72.0701, 19.1614** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **49.1752, 24.4341, 43.7163**, and the grayscale version is **32.9682, 34.6852, 37.7721**.

A 20% lighter version of the original color is **47.6044, 77.1208, 35.2985**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **37.1354, 72.0701, 19.1625**, and if you desaturate by 10%, it is **38.2711, 72.5722, 22.9861**.

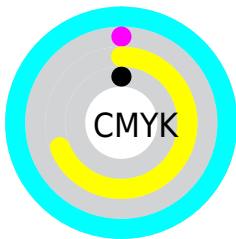
Distribution



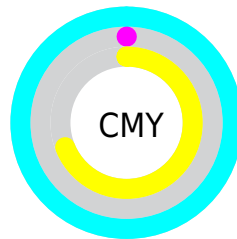
- Red (0%)
- Green (100%)
- Blue (31%)



- Red (0%)
- Yellow (76%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1351, 72.0701, 19.1614 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 37.1351, 72.0701, 19.1614 by changing the saturation by 10% instead.

37.1351, 72.0701,
19.1614

37.1351, 72.0701,
19.1614

325.2404,
467.7856, 259.7907

25.4863, 53.2159,
11.6090

70.0930, 122.1562,
42.8470

16.5704, 37.9752,
6.3587

92.1328, 154.1569,
59.8172

10.0220, 25.9634,
2.9921

118.3669,
191.3086, 80.7638

5.4760, 16.7963,
1.0906

149.1608,
233.9957, 106.1052

2.5667, 10.0894,
0.0000

184.8797,
282.6025, 136.2601

0.9290, 5.4582,
0.0000

225.8890,

0.0000, 2.5186,

337.5135, 171.6469

0.0000

272.5542,
399.1131, 212.6843

■ 0.0000, 0.8859,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1351, 72.0701,
19.1614

■ 37.1351, 72.0701,
19.1614

■ 37.1354, 72.0701,
19.1625

■ 38.2711, 72.5722,
22.9861

■ 40.1287, 73.4252,
27.8000

■ 42.8842, 74.7186,
33.6717

■ 46.6486, 76.5084,
40.6606

■ 51.5162, 78.8422,
48.8217

■ 57.5698, 81.7615,
58.2060

■ 64.8841, 85.3039,
68.8617

■ 73.5273, 89.5036,
80.8342

■ 83.5629, 94.3924,
94.1665

Harmonies

Analogous

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



52.4950, 72.0701, 6.8919



37.1351, 72.0701, 19.1614



30.6828, 72.0701, 58.3650

Triad

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



37.1351, 72.0701, 19.1614



61.0633, 72.0701, 313.7584



125.0601, 72.0701, 38.3651

Complementary

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



37.1351, 72.0701, 19.1614



49.1752, 24.4341, 43.7163

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.



128.9912, 72.0701, 102.7361



37.1351, 72.0701, 19.1614



87.4675, 72.0701, 295.3398

Square

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



37.1351, 72.0701, 19.1614



42.0699, 72.0701, 244.9859



113.8736, 72.0701, 203.9814



104.1769, 72.0701, 12.2516

Rectangle

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



37.1351, 72.0701, 19.1614



30.8406, 72.0701, 108.0568



113.8736, 72.0701, 203.9814



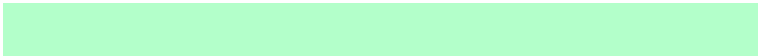
128.5813, 72.0701, 54.8497

Sweetspot

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



37.1354, 72.0701, 19.1625



64.8841, 85.3039, 68.8617



54.2350, 81.0442, 12.7846



13.1939, 17.9221, 13.7438



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.



37.1354, 72.0701, 19.1625



46.6591, 75.8796, 69.3138



18.0003, 20.2597, 20.3046



19.4620, 37.6814, 10.3181



1.9412, 3.6874, 1.2482

Inverse Universe

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



49.1752, 24.4341, 43.7163



41.8375, 21.4990, 5.0766



18.5421, 18.2002, 21.4720



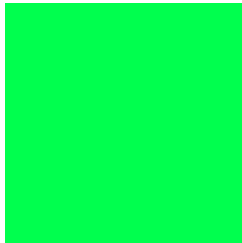
25.7649, 12.7952, 23.2100



2.5574, 1.2653, 2.5169

Previews

White Background



This preview shows how the XYZ color 37.1351, 72.0701, 19.1614 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 37.1351, 72.0701, 19.1614 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

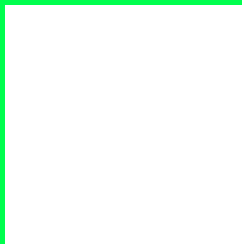
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1351, 72.0701, 19.1614

Background



This preview shows how black text looks on a background with the XYZ color 37.1351, 72.0701, 19.1614.

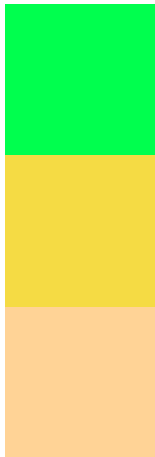


This preview shows how white text looks on a background with the XYZ color 37.1351, 72.0701,

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

37.1351, 72.0701, 19.1614

Protanopia

64.0311, 70.4929, 15.7005

Deuteranopia

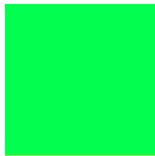
70.0393, 70.0505, 38.6838



Tritanopia

55.6703, 71.5703, 105.4881

Trichromacy



Original Color

37.1351, 72.0701, 19.1614



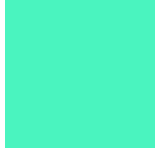
Protanomaly

43.7366, 65.2490, 16.4201



Deuteranomaly

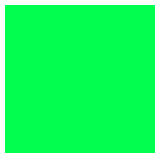
46.0075, 64.0748, 29.0116



Tritanomaly

44.5787, 69.9188, 60.4364

Monochromacy



Original Color

37.1351, 72.0701, 19.1614



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

28.6879, 42.9620, 27.8996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1351, 72.0701, 19.1614 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 78) }
```

Border

The CSS property to change the border of an element to XYZ 37.1351, 72.0701, 19.1614 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, 78) }
```

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

```
.border{ border-color:rgb(0, 255, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.1351, 72.0701, 19.1614 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, 78) }
```

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

```
.background{ background-color: rgb(0, 255,  
78) }
```

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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