

Converting Colors

XYZ(36.2544, 71.7178, 14.5236)

Have a look what the booklet for
XYZ(36.2544, 71.7178, 14.5236)
contains.

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Color

**XYZ(36.2531, 71.7173,
14.5169)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF2E
RGB	0, 255, 46
RGB Percent	0%, 100%, 18%
CMY	1.0000, 0.0000, 0.8196
CMYK	1.00, 0.00, 0.82, 0.00
HSL	131°, 100%, 50%
HSV	131°, 100%, 100%
XYZ	36.2531, 71.7173, 14.5169
YIQ	154.9290, -84.8910, -119.0590

Conversions

Conversions Part 2

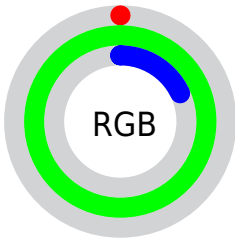
Format	Color
RYB	0, 216, 255
Decimal	65326
CIELab	87.83, -84.94, 76.85
CIELCh	88, 114.548, 137.864
Yxy	71.7173, 0.2960, 0.5855
Android (android.graphics.Color)	4278255406 (0xFF00FF2E)
YUV	154.9290, -53.7020, -135.8727
Hunter-Lab	84.6861, -71.7869, 49.1167

Details

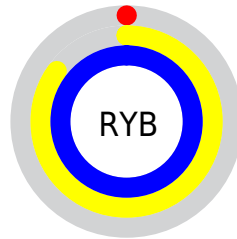
The XYZ color **36.2531, 71.7173, 14.5169** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **52.7472, 25.8629, 62.5262**, and the grayscale version is **31.3820, 33.0163, 35.9547**.

A 20% lighter version of the original color is **46.1822, 76.5677, 27.0968**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.2534, 71.7173, 14.5180**, and if you desaturate by 10%, it is **37.1838, 72.1373, 17.2602**.

Distribution



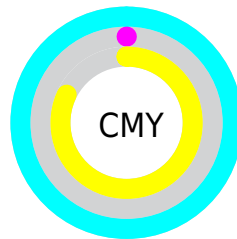
- Red (0%)
- Green (100%)
- Blue (18%)



- Red (0%)
- Yellow (85%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2531, 71.7173, 14.5169 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 36.2531, 71.7173, 14.5169 by changing the saturation by 10% instead.


 36.2531, 71.7173,
14.5169


 36.2531, 71.7173,
14.5169


321.4774,
466.5570, 231.9624


 24.8007, 52.9278,
8.3382


 68.7439, 121.6545,
34.7337

 16.0566, 37.7451,
4.2213


 90.5130, 153.5710,
49.6088


 9.6553, 25.7849,
1.7475


 116.4517,
190.6319, 68.2198

 5.2315, 16.6628,
0.3930

 146.9255,
233.2217, 90.9853

 2.4199, 9.9944,
0.0000

 182.2996,
281.7247, 118.3238

 0.8550, 5.3952,
0.0000

222.9393,

 0.0000, 2.4810,

336.5253, 150.6537

0.0000

269.2102,
398.0080, 188.3937

■ 0.0000, 0.8671,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2531, 71.7173,
14.5169

■ 36.2531, 71.7173,
14.5169

■ 36.2534, 71.7173,
14.5180

■ 37.1838, 72.1373,
17.2602

■ 38.8788, 72.9252,
21.2180

■ 41.5250, 74.1749,
26.5143

■ 45.2424, 75.9459,
33.2555

■ 50.1329, 78.2889,
41.5371

■ 56.2862, 81.2480,
51.4464

■ 63.7831, 84.8635,
63.0642

■ 72.6978, 89.1717,
76.4658

■ 83.0987, 94.2067,
91.7220

Harmonies

Analogous

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



53.3370, 71.7173, 4.6676



36.2531, 71.7173, 14.5169



28.7316, 71.7173, 50.6248

Triad

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



36.2531, 71.7173, 14.5169



57.7435, 71.7173, 335.4209



131.1012, 71.7173, 40.5405

Complementary

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



36.2531, 71.7173, 14.5169



52.7472, 25.8629, 62.5262

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.



133.2062, 71.7173, 114.0286



36.2531, 71.7173, 14.5169



85.5145, 71.7173, 325.2790

Square

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



36.2531, 71.7173, 14.5169



38.7358, 71.7173, 250.3283



114.8101, 71.7173, 227.9963



109.6531, 71.7173, 11.3325

Rectangle

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



36.2531, 71.7173, 14.5169



28.3525, 71.7173, 100.4460



114.8101, 71.7173, 227.9963



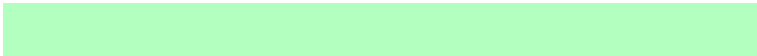
134.2677, 71.7173, 59.3212

Sweetspot

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



36.2534, 71.7173, 14.5180



63.7831, 84.8635, 63.0642



63.0558, 85.5915, 13.1974



12.9395, 17.8204, 12.4042



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.



36.2534, 71.7173, 14.5180



43.0157, 74.4223, 50.1280



17.9054, 20.2217, 19.8047



18.9815, 37.4892, 7.7878



1.8827, 3.6640, 0.9401

Inverse Universe

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



52.7472, 25.8629, 62.5262



42.8797, 21.9159, 10.5645



18.6437, 18.2408, 22.0071



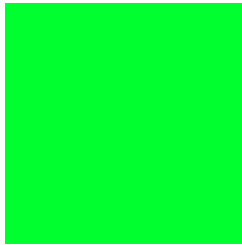
27.6125, 13.5343, 32.9397



2.7235, 1.3318, 3.3916

Previews

White Background



This preview shows how the XYZ color 36.2531, 71.7173, 14.5169 looks on a white background.

Color Contrast Check

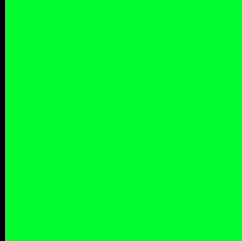
Large Text (above 18pt) WCAG AA × Fail

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 36.2531, 71.7173, 14.5169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

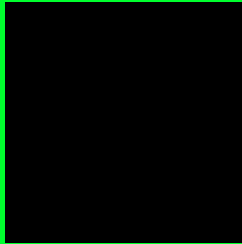
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

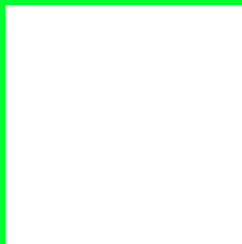
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2531, 71.7173, 14.5169

Background



This preview shows how black text looks on a background with the XYZ color 36.2531, 71.7173, 14.5169.

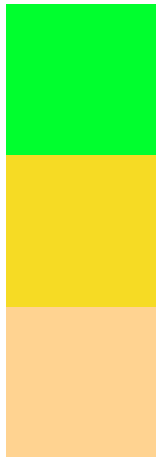


This preview shows how white text looks on a background with the XYZ color 36.2531, 71.7173,

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

36.2531, 71.7173, 14.5169

Protanopia

63.6560, 70.3832, 11.8994

Deuteranopia

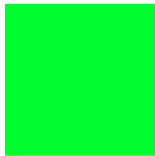
69.6451, 69.8929, 36.6080



Tritanopia

55.2736, 71.3658, 105.4695

Trichromacy



Original Color

36.2531, 71.7173, 14.5169



Protanomaly

43.1442, 65.0345, 12.2865



Deuteranomaly

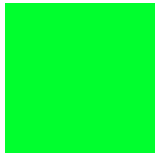
45.1297, 63.7237, 24.3893



Tritanomaly

43.2350, 69.3725, 53.7593

Monochromacy



Original Color

36.2531, 71.7173, 14.5169



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.8709, 41.1521, 22.7466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2531, 71.7173, 14.5169 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 46) }
```

Border

The CSS property to change the border of an element to XYZ 36.2531, 71.7173, 14.5169 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, 46) }
```

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

```
.border{ border-color:rgb(0, 255, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2531, 71.7173, 14.5169 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, 46) }
```

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

```
.background{ background-color: rgb(0, 255,  
46) }
```

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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