

Converting Colors

XYZ(36.3167, 71.7427, 14.8517)

Have a look what the booklet for
XYZ(36.3167, 71.7427, 14.8517)
contains.

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Color

**XYZ(36.3144, 71.7418,
14.8393)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF31
RGB	0, 255, 49
RGB Percent	0%, 100%, 19%
CMY	1.0000, 0.0000, 0.8078
CMYK	1.00, 0.00, 0.81, 0.00
HSL	132°, 100%, 50%
HSV	132°, 100%, 100%
XYZ	36.3144, 71.7418, 14.8393
YIQ	155.2710, -85.8540, -118.1260

Conversions

Conversions Part 2

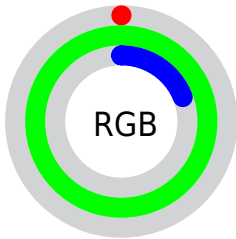
Format	Color
RYB	0, 214, 255
Decimal	65329
CIELab	87.84, -84.79, 76.12
CIELCh	88, 113.945, 138.085
Yxy	71.7418, 0.2955, 0.5838
Android (android.graphics.Color)	4278255409 (0xFF00FF31)
YUV	155.2710, -52.3916, -136.1727
Hunter-Lab	84.7005, -71.6961, 48.9029

Details

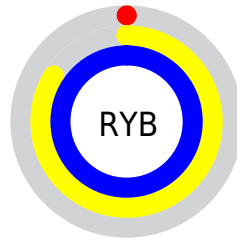
The XYZ color **36.3144, 71.7418, 14.8393** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **52.3797, 25.7159, 60.5906**, and the grayscale version is **31.5290, 33.1710, 36.1232**.

A 20% lighter version of the original color is **46.2924, 76.6118, 27.6769**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.3145, 71.7418, 14.8402**, and if you desaturate by 10%, it is **37.2666, 72.1704, 17.6960**.

Distribution



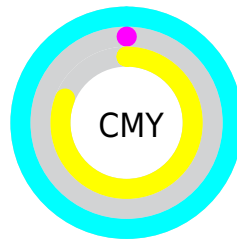
- Red (0%)
- Green (100%)
- Blue (19%)



- Red (0%)
- Yellow (84%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3144, 71.7418, 14.8393 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 36.3144, 71.7418, 14.8393 by changing the saturation by 10% instead.


 36.3144, 71.7418,
14.8393


 36.3144, 71.7418,
14.8393


321.7400,
466.6424, 233.9987


 24.8483, 52.9478,
8.5613


 68.8378, 121.6894,
35.3093


 16.0922, 37.7611,
4.3633


 90.6258, 153.6117,
50.3384


 9.6807, 25.7973,
1.8267


 116.5852,
190.6789, 69.1217

 5.2484, 16.6721,
0.4455

 147.0813,
233.2755, 92.0776

 2.4300, 10.0010,
0.0000

 182.4794,
281.7857, 119.6247

 0.8601, 5.3996,
0.0000

223.1450,

 0.0000, 2.4836,

336.5940, 152.1815

0.0000

269.4434,
398.0848, 190.1667

■ 0.0000, 0.8684,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3144, 71.7418,
14.8393

■ 36.3144, 71.7418,
14.8393

■ 36.3145, 71.7418,
14.8402


■ 37.2666, 72.1704,
17.6960


■ 38.9797, 72.9656,
21.7488


■ 41.6392, 74.2206,
27.1149


■ 45.3641, 75.9947,
33.8951

 50.2554, 78.3379,
42.1803

 56.4020, 81.2944,
52.0539

 63.8841, 84.9039,
63.5928

 72.7750, 89.2027,
76.8691

 83.1429, 94.2245,
91.9507

Harmonies

Analogous

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



53.2666, 71.7418, 4.8151



36.3144, 71.7418, 14.8393



28.8728, 71.7418, 51.1919

Triad

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



36.3144, 71.7418, 14.8393



57.9921, 71.7418, 333.7721



130.6365, 71.7418, 40.3615

Complementary

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



36.3144, 71.7418, 14.8393



52.3797, 25.7159, 60.5906

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.



132.8871, 71.7418, 113.1290



36.3144, 71.7418, 14.8393



85.6652, 71.7418, 322.9509

Square

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



36.3144, 71.7418, 14.8393



38.9812, 71.7418, 249.9503



114.7439, 71.7418, 226.1034



109.2274, 71.7418, 11.3954

Rectangle

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



36.3144, 71.7418, 14.8393



28.5334, 71.7418, 101.0236



114.7439, 71.7418, 226.1034



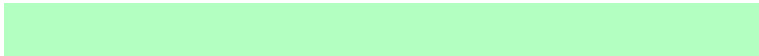
133.8323, 71.7418, 58.9606

Sweetspot

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



36.3146, 71.7419, 14.8404



63.8833, 84.9035, 63.5916



61.8429, 84.9662, 13.1407



12.9626, 17.8296, 12.5254



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.



36.3146, 71.7419, 14.8404



36.3145, 71.7418, 14.8402



43.4245, 74.5858, 52.2805



17.9142, 20.2252, 19.8511



19.0155, 37.5028, 7.9668



1.8872, 3.6658, 0.9641

Inverse Universe

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



52.3797, 25.7159, 60.5906



52.3796, 25.7158, 60.5903



42.7159, 21.8504, 9.7020



18.6342, 18.2370, 21.9566



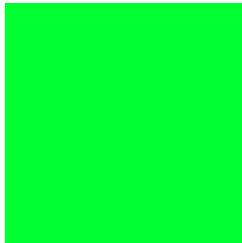
27.4228, 13.4584, 31.9404



2.7067, 1.3251, 3.3029

Previews

White Background



This preview shows how the XYZ color 36.3144, 71.7418, 14.8393 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 36.3144, 71.7418, 14.8393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

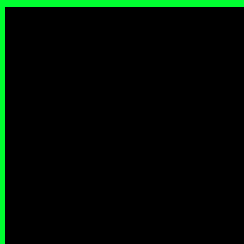
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3144, 71.7418, 14.8393

Background



This preview shows how black text looks on a background with the XYZ color 36.3144, 71.7418, 14.8393.

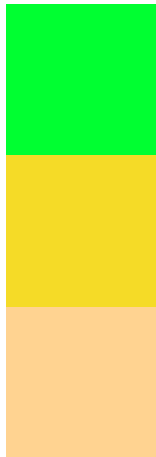


This preview shows how white text looks on a background with the XYZ color 36.3144, 71.7418,

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

36.3144, 71.7418, 14.8393

Protanopia

63.3539, 70.2220, 12.1345

Deuteranopia

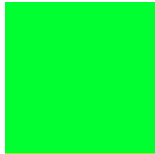
69.6451, 69.8929, 36.6080



Tritanopia

55.2736, 71.3658, 105.4695

Trichromacy



Original Color

36.3144, 71.7418, 14.8393



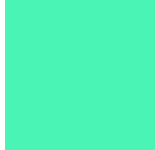
Protanomaly

43.0030, 64.9556, 12.5567



Deuteranomaly

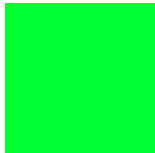
45.1838, 63.7453, 24.6745



Tritanomaly

43.3366, 69.4131, 54.2940

Monochromacy



Original Color

36.3144, 71.7418, 14.8393



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.9288, 41.1752, 23.0513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3144, 71.7418, 14.8393 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 49) }
```

Border

The CSS property to change the border of an element to XYZ 36.3144, 71.7418, 14.8393 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, 49) }
```


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

```
.border{ border-color:rgb(0, 255, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.3144, 71.7418, 14.8393 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, 49) }
```

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

```
.background{ background-color: rgb(0, 255,  
49) }
```

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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