

Converting Colors

XYZ(36.2663, 71.7336, 14.0866)

Have a look what the booklet for
XYZ(36.2663, 71.7336, 14.0866)
contains.

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Color

**XYZ(36.2781, 71.7388,
14.1254)**

Conversions

Conversions Part 1

Format	Color
Hex	08FF2A
RGB	8, 255, 42
RGB Percent	3%, 100%, 16%
CMY	0.9686, 0.0000, 0.8352
CMYK	0.97, 0.00, 0.84, 0.00
HSL	128°, 100%, 52%
HSV	128°, 97%, 100%
XYZ	36.2781, 71.7388, 14.1254
YIQ	156.8650, -78.8390, -118.6070

Conversions

Conversions Part 2

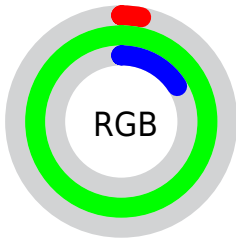
Format	Color
RYB	8, 225, 255
Decimal	589610
CIELab	87.84, -84.91, 77.79
CIELCh	88, 115.155, 137.503
Yxy	71.7388, 0.2970, 0.5873
Android (android.graphics.Color)	4278779690 (0xFF08FF2A)
YUV	156.8650, -56.6284, -130.5546
Hunter-Lab	84.6988, -71.7679, 49.4012

Details

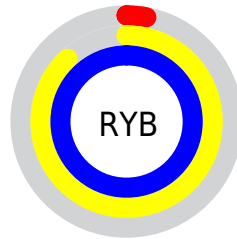
The XYZ color **36.2781, 71.7388, 14.1254** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **54.3772, 26.6539, 70.6812**, and the grayscale version is **32.2606, 33.9406, 36.9614**.

A 20% lighter version of the original color is **46.2125, 76.5958, 26.5362**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.0650, 71.6420, 13.5260**, and if you desaturate by 10%, it is **37.3290, 72.2219, 16.8234**.

Distribution



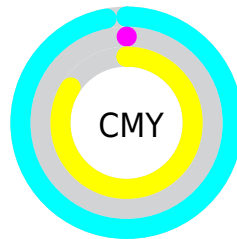
- Red (3%)
- Green (100%)
- Blue (16%)



- Red (3%)
- Yellow (88%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2781, 71.7388, 14.1254 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 36.2781, 71.7388, 14.1254 by changing the saturation by 10% instead.


 36.2781, 71.7388,
14.1254


 36.2781, 71.7388,
14.1254

321.5845,
466.6319, 229.4651


 24.8202, 52.9453,
8.0682


 68.7822, 121.6851,
34.0317

 16.0711, 37.7591,
4.0502


 90.5590, 153.6067,
48.7178


 9.6657, 25.7958,
1.6529


 116.5062,
190.6732, 67.1174

 5.2384, 16.6709,
0.3282

 146.9890,
233.2689, 89.6489

 2.4240, 10.0002,
0.0000

 182.3729,
281.7782, 116.7309

 0.8571, 5.3991,
0.0000

223.0232,

 0.0000, 2.4833,

336.5856, 148.7819

0.0000

269.3053,
398.0754, 186.2204

■ 0.0000, 0.8682,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2781, 71.7388,
14.1254

■ 36.2781, 71.7388,
14.1254

■ 36.0650, 71.6420,
13.5260

■ 37.3290, 72.2219,
16.8234

■ 39.2433, 73.1217,
20.8476

■ 42.1673, 74.5105,
26.3412

■ 46.2183, 76.4462,
33.4277

■ 51.4973, 78.9786,
42.2179

■ 58.0940, 82.1516,
52.8123

■ 66.0894, 86.0052,
65.3039

■ 75.5582, 90.5760,
79.7790

■ 86.5697, 95.8979,
96.3190

Harmonies

Analogous

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



53.5509, 71.7388, 4.5131



36.2781, 71.7388, 14.1254



28.6304, 71.7388, 49.8257

Triad

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



36.2781, 71.7388, 14.1254



57.4198, 71.7388, 337.0030



131.6982, 71.7388, 40.9848

Complementary

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



36.2781, 71.7388, 14.1254



54.3772, 26.6539, 70.6812

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.



133.5519, 71.7388, 115.4754



36.2781, 71.7388, 14.1254



85.2697, 71.7388, 328.0539

Square

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



36.2781, 71.7388, 14.1254



38.4543, 71.7388, 250.2694



114.8140, 71.7388, 230.5793



110.2750, 71.7388, 11.3529

Rectangle

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



36.2781, 71.7388, 14.1254



28.1862, 71.7388, 99.4910



114.8140, 71.7388, 230.5793



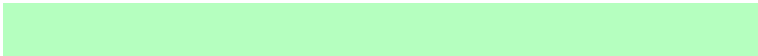
134.8023, 71.7388, 60.0374

Sweetspot

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



36.2783, 71.7389, 14.1265



64.2572, 85.1216, 62.4672



65.9487, 87.0778, 13.5617



13.0143, 17.8631, 12.2174



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.



36.2783, 71.7389, 14.1265



36.0650, 71.6420, 13.5260



42.6005, 74.2678, 47.4184



17.8734, 20.2089, 19.6362



18.8755, 37.4468, 7.2299



1.8674, 3.6579, 0.8597

Inverse Universe

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



54.3772, 26.6539, 70.6812



54.1439, 26.4216, 69.8812



43.5585, 22.3265, 13.7106



18.6788, 18.2548, 22.1914



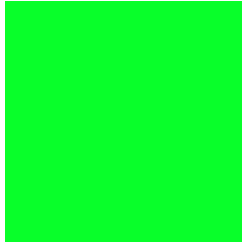
28.3329, 13.8225, 36.7333



2.7871, 1.3572, 3.7261

Previews

White Background



This preview shows how the XYZ color 36.2781, 71.7388, 14.1254 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 36.2781, 71.7388, 14.1254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

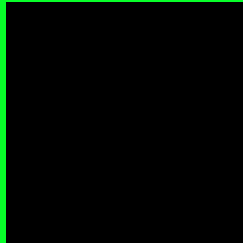
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

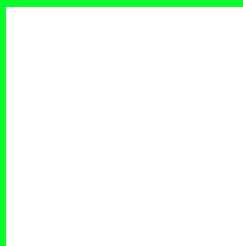
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2781, 71.7388, 14.1254

Background



This preview shows how black text looks on a background with the XYZ color 36.2781, 71.7388, 14.1254.

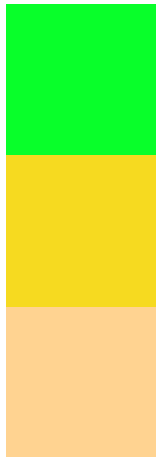


This preview shows how white text looks on a background with the XYZ color 36.2781, 71.7388,

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

36.2781, 71.7388, 14.1254

Protanopia

63.3382, 69.8399, 11.5087

Deuteranopia

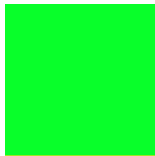
69.6451, 69.8929, 36.6080



Tritanopia

55.2736, 71.3658, 105.4695

Trichromacy



Original Color

36.2781, 71.7388, 14.1254



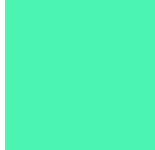
Protanomaly

43.1924, 64.6501, 11.8713



Deuteranomaly

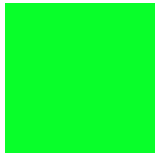
45.6929, 64.0202, 24.1362



Tritanomaly

43.2882, 69.4116, 53.2357

Monochromacy



Original Color

36.2781, 71.7388, 14.1254



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

27.7580, 42.2613, 22.9139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2781, 71.7388, 14.1254 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(8, 255, 42)` looks like.

```
.text, #text, p{  
    color:rgb(8, 255, 42)  
}
```

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(8, 255, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 255, 42) }
```

Border

The CSS property to change the border of an element to XYZ 36.2781, 71.7388, 14.1254 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(8, 255, 42) }
```


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

```
.border{ border-color:rgb(8, 255, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 255, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 255, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 255, 42);  
box-shadow:4px 4px 4px 4px rgb(8, 255, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2781, 71.7388, 14.1254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 255, 42) }
```

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

```
.background{ background-color: rgb(8, 255,  
42) }
```

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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