

Converting Colors

XYZ(36.2140, 71.7016, 14.3106)

Have a look what the booklet for
XYZ(36.2140, 71.7016, 14.3106)
contains.

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Color

**XYZ(36.2146, 71.7018,
14.3140)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF2C
RGB	0, 255, 44
RGB Percent	0%, 100%, 17%
CMY	1.0000, 0.0000, 0.8274
CMYK	1.00, 0.00, 0.83, 0.00
HSL	130°, 100%, 50%
HSV	130°, 100%, 100%
XYZ	36.2146, 71.7018, 14.3140
YIQ	154.7010, -84.2490, -119.6810

Conversions

Conversions Part 2

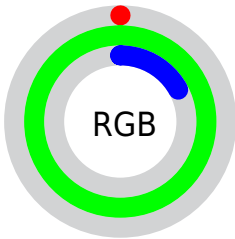
Format	Color
RYB	0, 217, 255
Decimal	65324
CIELab	87.82, -85.04, 77.31
CIELCh	88, 114.932, 137.725
Yxy	71.7018, 0.2963, 0.5866
Android (android.graphics.Color)	4278255404 (0xFF00FF2C)
YUV	154.7010, -54.5756, -135.6728
Hunter-Lab	84.6769, -71.8438, 49.2513

Details

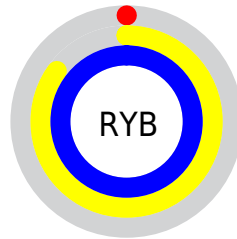
The XYZ color **36.2146, 71.7018, 14.3140** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **52.9967, 25.9627, 63.8399**, and the grayscale version is **31.2846, 32.9138, 35.8432**.

A 20% lighter version of the original color is **46.1281, 76.5461, 26.8117**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.2148, 71.7019, 14.3150**, and if you desaturate by 10%, it is **37.1307, 72.1160, 16.9806**.

Distribution



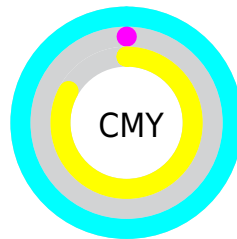
- Red (0%)
- Green (100%)
- Blue (17%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2146, 71.7018, 14.3140 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 36.2146, 71.7018, 14.3140 by changing the saturation by 10% instead.


 36.2146, 71.7018,
14.3140


 36.2146, 71.7018,
14.3140


321.3125,
466.5030, 230.6715


 24.7709, 52.9151,
8.1981


 68.6849, 121.6325,
34.3703

 16.0342, 37.7350,
4.1324


 90.4421, 153.5453,
49.1477


 9.6394, 25.7771,
1.6983


 116.3679,
190.6022, 67.6495

 5.2209, 16.6570,
0.3595

 146.8276,
233.1877, 90.2941

 2.4136, 9.9902,
0.0000

 182.1865,
281.6861, 117.5000

 0.8519, 5.3925,
0.0000

222.8101,

 0.0000, 2.4793,

336.4819, 149.6859

0.0000

269.0636,
397.9594, 187.2702

■ 0.0000, 0.8663,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2146, 71.7018,
14.3140

■ 36.2146, 71.7018,
14.3140

■ 36.2148, 71.7019,
14.3150

■ 37.1307, 72.1160,
16.9806

■ 38.8135, 72.8991,
20.8737

■ 41.4507, 74.1452,
26.1220

■ 45.1629, 75.9142,
32.8356

■ 50.0527, 78.2568,
41.1133

■ 56.2104, 81.2178,
51.0453

■ 63.7173, 84.8372,
62.7148

■ 72.6478, 89.1518,
76.1993

■ 83.0709, 94.1957,
91.5720

Harmonies

Analogous

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



53.3824, 71.7018, 4.5754



36.2146, 71.7018, 14.3140



28.6422, 71.7018, 50.2652

Triad

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



36.2146, 71.7018, 14.3140



57.5853, 71.7018, 336.4699



131.3973, 71.7018, 40.6560

Complementary

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



36.2146, 71.7018, 14.3140



52.9967, 25.9627, 63.8399

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.



133.4089, 71.7018, 114.6057



36.2146, 71.7018, 14.3140



85.4180, 71.7018, 326.7658

Square

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



36.2146, 71.7018, 14.3140



38.5800, 71.7018, 250.5653



114.8514, 71.7018, 229.2079



109.9250, 71.7018, 11.2931

Rectangle

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



36.2146, 71.7018, 14.3140



28.2379, 71.7018, 100.0775



114.8514, 71.7018, 229.2079



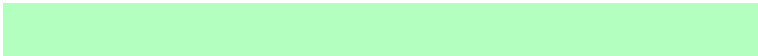
134.5451, 71.7018, 59.5531

Sweetspot

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



36.2149, 71.7019, 14.3152



63.7166, 84.8368, 62.7137



63.0559, 85.5915, 13.1975



12.9243, 17.8142, 12.3238



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.



36.2149, 71.7019, 14.3152



36.2148, 71.7019, 14.3150



43.0158, 74.4223, 50.1283



17.8995, 20.2193, 19.7737



18.9600, 37.4806, 7.6746



1.8797, 3.6628, 0.9246

Inverse Universe

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



52.9967, 25.9627, 63.8399



52.9967, 25.9627, 63.8397



42.8798, 21.9159, 10.5648



18.6502, 18.2434, 22.0409



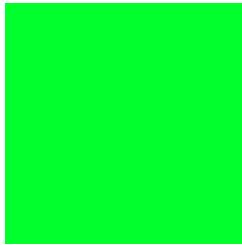
27.7413, 13.5858, 33.6176



2.7349, 1.3363, 3.4516

Previews

White Background



This preview shows how the XYZ color 36.2146, 71.7018, 14.3140 looks on a white background.

Color Contrast Check

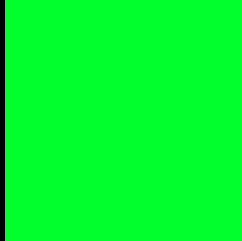
Large Text (above 18pt) WCAG AA × Fail

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 36.2146, 71.7018, 14.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

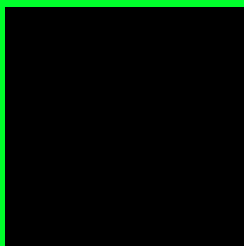
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

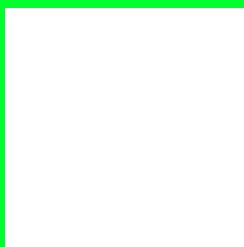
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2146, 71.7018, 14.3140

Background



This preview shows how black text looks on a background with the XYZ color 36.2146, 71.7018, 14.3140.

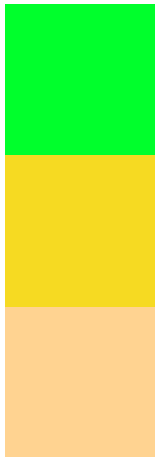


This preview shows how white text looks on a background with the XYZ color 36.2146, 71.7018,

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

36.2146, 71.7018, 14.3140

Protanopia

63.3662, 69.8511, 11.6562

Deuteranopia

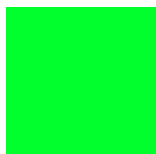
69.6451, 69.8929, 36.6080



Tritanopia

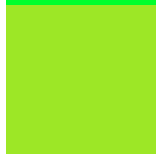
55.2736, 71.3658, 105.4695

Trichromacy



Original Color

36.2146, 71.7018, 14.3140



Protanomaly

42.8304, 64.4599, 12.0183



Deuteranomaly

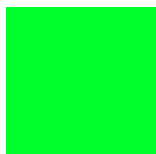
45.0762, 63.7023, 24.1074



Tritanomaly

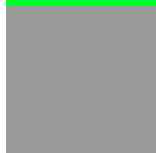
43.1342, 69.3322, 53.2285

Monochromacy



Original Color

36.2146, 71.7018, 14.3140



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 36.2146, 71.7018, 14.3140 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 44) }
```

Border

The CSS property to change the border of an element to XYZ 36.2146, 71.7018, 14.3140 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, 44) }
```


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

```
.border{ border-color:rgb(0, 255, 44) }
```

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, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 44);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2146, 71.7018, 14.3140 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, 44) }
```

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

```
.background{ background-color: rgb(0, 255,  
44) }
```

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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