

Converting Colors

XYZ(36.2025, 71.6970, 14.2502)

Have a look what the booklet for
XYZ(36.2025, 71.6970, 14.2502)
contains.

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Color

**XYZ(36.1960, 71.6944,
14.2162)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF2B
RGB	0, 255, 43
RGB Percent	0%, 100%, 17%
CMY	1.0000, 0.0000, 0.8313
CMYK	1.00, 0.00, 0.83, 0.00
HSL	130°, 100%, 50%
HSV	130°, 100%, 100%
XYZ	36.1960, 71.6944, 14.2162
YIQ	154.5870, -83.9280, -119.9920

Conversions

Conversions Part 2

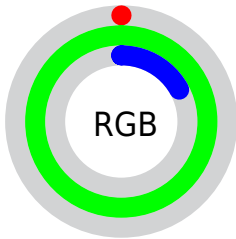
Format	Color
RYB	0, 218, 255
Decimal	65323
CIELab	87.82, -85.09, 77.54
CIELCh	88, 115.118, 137.657
Yxy	71.6944, 0.2964, 0.5871
Android (android.graphics.Color)	4278255403 (0xFF00FF2B)
YUV	154.5870, -55.0124, -135.5728
Hunter-Lab	84.6725, -71.8714, 49.3162

Details

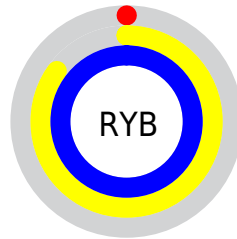
The XYZ color **36.1960, 71.6944, 14.2162** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **53.1222, 26.0129, 64.5006**, and the grayscale version is **31.2356, 32.8623, 35.7870**.

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 **36.1963, 71.6945, 14.2173**, and if you desaturate by 10%, it is **37.1048, 72.1057, 16.8442**.

Distribution



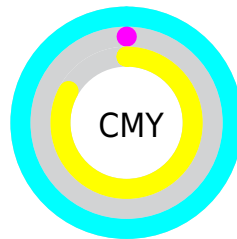
- Red (0%)
- Green (100%)
- Blue (17%)



- 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 36.1960, 71.6944, 14.2162 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 36.1960, 71.6944, 14.2162 by changing the saturation by 10% instead.


 36.1960, 71.6944,
14.2162


 36.1960, 71.6944,
14.2162


321.2327,
466.4772, 230.0467


 24.7564, 52.9091,
8.1307


 68.6564, 121.6219,
34.1948

 16.0234, 37.7302,
4.0897


 90.4079, 153.5330,
48.9250


 9.6317, 25.7733,
1.6747

 116.3274,
190.5880, 67.3738

 5.2158, 16.6542,
0.3433

 146.7803,
233.1714, 89.9598

 2.4105, 9.9882,
0.0000

 182.1319,
281.6677, 117.1016

 0.8503, 5.3911,
0.0000

222.7476,

 0.0000, 2.4785,

336.4611, 149.2177

0.0000

268.9928,
397.9362, 186.7265

■ 0.0000, 0.8659,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1960, 71.6944,
14.2162

■ 36.1960, 71.6944,
14.2162

■ 36.1963, 71.6945,
14.2173


■ 37.1048, 72.1057,
16.8442


■ 38.7813, 72.8862,
20.7044

■ 41.4137, 74.1304,
25.9280


■ 45.1231, 75.8982,
32.6272

 50.0124, 78.2406,
40.9023

 56.1720, 81.2023,
50.8449

 63.6835, 84.8236,
62.5395

 72.6217, 89.1413,
76.0649

 83.0556, 94.1895,
91.4951

Harmonies

Analogous

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



53.4046, 71.6944, 4.5311



36.1960, 71.6944, 14.2162



28.5990, 71.6944, 50.0912

Triad

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



36.1960, 71.6944, 14.2162



57.5087, 71.6944, 336.9804



131.5415, 71.6944, 40.7123

Complementary

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



36.1960, 71.6944, 14.2162



53.1222, 26.0129, 64.5006

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.



133.5076, 71.6944, 114.8868



36.1960, 71.6944, 14.2162



85.3713, 71.6944, 327.4897

Square

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



36.1960, 71.6944, 14.2162



38.5046, 71.6944, 250.6806



114.8717, 71.6944, 229.7981



110.0574, 71.6944, 11.2741

Rectangle

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



36.1960, 71.6944, 14.2162



28.1825, 71.6944, 99.8991



114.8717, 71.6944, 229.7981



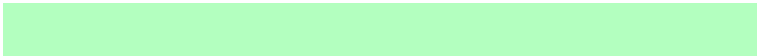
134.6801, 71.6944, 59.6661

Sweetspot

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



36.1963, 71.6945, 14.2173



63.6835, 84.8236, 62.5395



63.0558, 85.5915, 13.1974



12.9167, 17.8112, 12.2838



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.



36.1963, 71.6945, 14.2173



43.0157, 74.4223, 50.1280



17.8966, 20.2182, 19.7582



18.9496, 37.4764, 7.6200



1.8783, 3.6623, 0.9170

Inverse Universe

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



53.1222, 26.0129, 64.5006



42.8797, 21.9159, 10.5645



18.6534, 18.2447, 22.0577



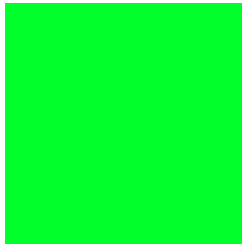
27.8060, 13.6117, 33.9586



2.7407, 1.3386, 3.4817

Previews

White Background



This preview shows how the XYZ color 36.1960, 71.6944, 14.2162 looks on a white background.

Color Contrast Check

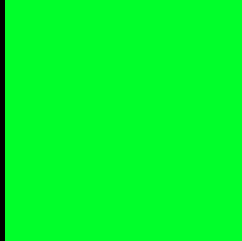
Large Text (above 18pt) WCAG AA × Fail

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 36.1960, 71.6944, 14.2162 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

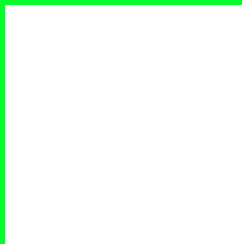
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1960, 71.6944, 14.2162

Background



This preview shows how black text looks on a background with the XYZ color 36.1960, 71.6944, 14.2162.



This preview shows how white text looks on a background with the XYZ color 36.1960, 71.6944,

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

36.1960, 71.6944, 14.2162

Protanopia

63.3520, 69.8454, 11.5814

Deuteranopia

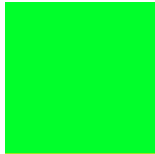
69.6451, 69.8929, 36.6080



Tritanopia

55.2736, 71.3658, 105.4695

Trichromacy



Original Color

36.1960, 71.6944, 14.2162



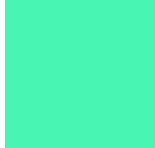
Protanomaly

42.8145, 64.4535, 11.9345



Deuteranomaly

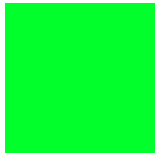
45.0762, 63.7023, 24.1074



Tritanomaly

43.1342, 69.3322, 53.2285

Monochromacy



Original Color

36.1960, 71.6944, 14.2162



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.8137, 41.1292, 22.4451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1960, 71.6944, 14.2162 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 43) }
```

Border

The CSS property to change the border of an element to XYZ 36.1960, 71.6944, 14.2162 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, 43) }
```

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

```
.border{ border-color:rgb(0, 255, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.1960, 71.6944, 14.2162 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, 43) }
```

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

```
.background{ background-color: rgb(0, 255,  
43) }
```

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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