

Converting Colors

XYZ(36.4135, 71.8360, 12.8951)

Have a look what the booklet for
XYZ(36.4135, 71.8360, 12.8951)
contains.

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Color

**XYZ(36.4253, 71.8415,
12.9243)**

Conversions

Conversions Part 1

Format	Color
Hex	1CFF1A
RGB	28, 255, 26
RGB Percent	11%, 100%, 10%
CMY	0.8902, 0.0000, 0.8980
CMYK	0.89, 0.00, 0.90, 0.00
HSL	119°, 100%, 55%
HSV	119°, 90%, 100%
XYZ	36.4253, 71.8415, 12.9243
YIQ	161.0210, -61.7830, -119.3430

Conversions

Conversions Part 2

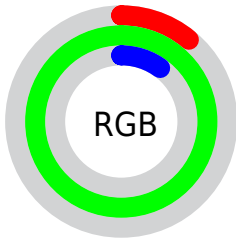
Format	Color
R _Y B	26, 255, 253
Decimal	1900314
CIE Lab	87.89, -84.63, 80.83
CIE LCh	88, 117.031, 136.314
Yxy	71.8415, 0.3006, 0.5928
Android (android.graphics.Color)	4280090394 (0xFF1CFF1A)
YUV	161.0210, -66.5654, -116.6594
Hunter-Lab	84.7594, -71.6186, 50.2909

Details

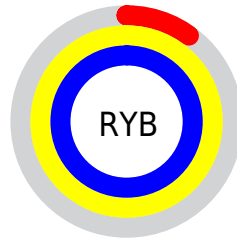
The XYZ color **36.4253, 71.8415, 12.9243** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **58.9362, 28.8466, 97.0694**, and the grayscale version is **34.2072, 35.9886, 39.1916**.

A 20% lighter version of the original color is **46.5177, 76.8001, 24.4288**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.7969, 71.5387, 11.9366**, and if you desaturate by 10%, it is **37.8519, 72.5280, 15.1967**.

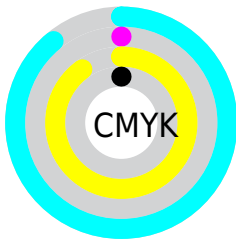
Distribution



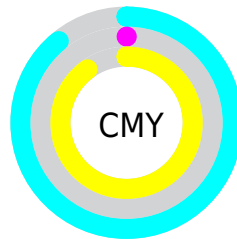
- Red (11%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (99%)



- Cyan (89%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (89%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4253, 71.8415, 12.9243 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 36.4253, 71.8415, 12.9243 by changing the saturation by 10% instead.


 36.4253, 71.8415,
12.9243


 36.4253, 71.8415,
12.9243


322.2146,
466.9897, 221.6227


 24.9345, 53.0292,
7.2463


 69.0076, 121.8312,
31.8569

 16.1567, 37.8261,
3.5358


 90.8298, 153.7773,
45.9486


 9.7267, 25.8477,
1.3743


 116.8264,
190.8702, 63.6820

 5.2790, 16.7098,
0.1216

 147.3629,
233.4943, 85.4756

 2.4483, 10.0278,
0.0000

 182.8046,
282.0338, 111.7479

 0.8693, 5.4174,
0.0000

 223.5169,

 0.0000, 2.4942,

336.8733, 142.9175

0.0000

269.8651,
398.3972, 179.4029

■ 0.0000, 0.8737,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4253, 71.8415,
12.9243

■ 36.4253, 71.8415,
12.9243

■ 35.7969, 71.5387,
11.9366


■ 37.8519, 72.5280,
15.1967


■ 35.7876, 71.5342,
11.9213


■ 40.2879, 73.6994,
19.1269


■ 43.8741, 75.4229,
24.9516

■ 48.7285, 77.7553,
32.8689

 54.9547, 80.7461,
43.0517

 62.6457, 84.4399,
55.6551

 71.8862, 88.8774,
70.8204

 82.7545, 94.0963,
88.6783

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.3221, 71.8415, 4.0580



36.4253, 71.8415, 12.9243



28.3578, 71.8415, 47.2658

Triad

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



36.4253, 71.8415, 12.9243



56.3837, 71.8415, 341.7644



133.6272, 71.8415, 42.5759

Complementary

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



36.4253, 71.8415, 12.9243



58.9362, 28.8466, 97.0694

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.



134.6238, 71.8415, 120.3959



36.4253, 71.8415, 12.9243



84.4521, 71.8415, 336.9239

Square

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



36.4253, 71.8415, 12.9243



37.5791, 71.8415, 249.7264



114.7734, 71.8415, 239.1012



112.3366, 71.8415, 11.4843

Rectangle

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



36.4253, 71.8415, 12.9243



27.6976, 71.8415, 96.3252



114.7734, 71.8415, 239.1012



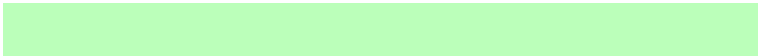
136.5120, 71.8415, 62.5442

Sweetspot

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



36.4255, 71.8415, 12.9254



65.0699, 85.6041, 59.6317



75.9813, 90.4438, 14.4312



13.2975, 18.0202, 11.7301



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.



36.4255, 71.8415, 12.9254



35.7876, 71.5342, 11.9213



40.6799, 73.5372, 35.6019



17.7861, 20.1756, 19.1012



18.7060, 37.3814, 6.2294



1.8262, 3.6422, 0.6068

Inverse Universe

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



58.9362, 28.8466, 97.0694



58.4846, 28.0648, 96.9423



46.6689, 24.0233, 28.6937



18.7763, 18.2919, 22.7910



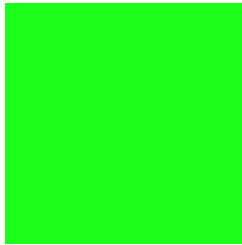
30.5666, 14.6681, 50.6548



2.9810, 1.4307, 4.9323

Previews

White Background



This preview shows how the XYZ color 36.4253, 71.8415, 12.9243 looks on a white background.

Color Contrast Check

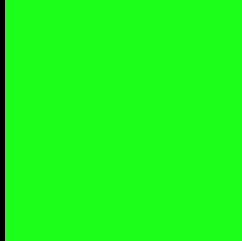
Large Text (above 18pt) WCAG AA × Fail

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 36.4253, 71.8415, 12.9243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

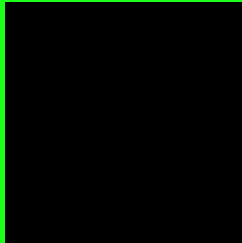
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

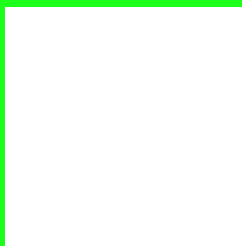
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4253, 71.8415, 12.9243

Background



This preview shows how black text looks on a background with the XYZ color 36.4253, 71.8415, 12.9243.



This preview shows how white text looks on a background with the XYZ color 36.4253, 71.8415,

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

36.4253, 71.8415, 12.9243

Protanopia

63.3649, 70.2668, 10.3667

Deuteranopia

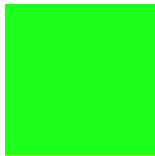
69.6451, 69.8929, 36.6080



Tritanopia

55.2479, 70.9239, 105.3856

Trichromacy



Original Color

36.4253, 71.8415, 12.9243



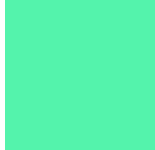
Protanomaly

44.8656, 65.9578, 10.7472



Deuteranomaly

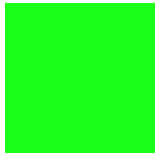
46.8806, 64.6681, 22.5817



Tritanomaly

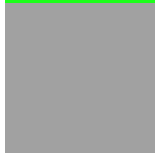
43.1531, 68.9646, 50.0668

Monochromacy



Original Color

36.4253, 71.8415, 12.9243



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.2498, 43.7108, 22.2246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4253, 71.8415, 12.9243 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(28, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(28, 255, 26)  
}
```

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(28, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 255, 26) }
```

Border

The CSS property to change the border of an element to XYZ 36.4253, 71.8415, 12.9243 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(28, 255, 26) }
```


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

```
.border{ border-color:rgb(28, 255, 26) }
```

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

Here you see how a box with a 4 pixel rgb(28, 255, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(28, 255,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4253, 71.8415, 12.9243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 255, 26) }
```

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

```
.background{ background-color: rgb(28, 255,  
26) }
```

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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