

Converting Colors

XYZ(36.3210, 71.7986, 12.4228)

Have a look what the booklet for
XYZ(36.3210, 71.7986, 12.4228)
contains.

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Color

**XYZ(36.3324, 71.8043,
12.4349)**

Conversions

Conversions Part 1

Format	Color
Hex	1CFF10
RGB	28, 255, 16
RGB Percent	11%, 100%, 6%
CMY	0.8902, 0.0000, 0.9371
CMYK	0.89, 0.00, 0.94, 0.00
HSL	117°, 100%, 53%
HSV	117°, 94%, 100%
XYZ	36.3324, 71.8043, 12.4349
YIQ	159.8810, -58.5730, -122.4530

Conversions

Conversions Part 2

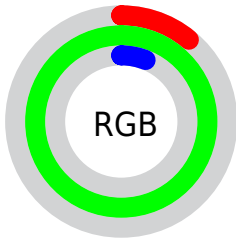
Format	Color
R_{YB}	16, 255, 243
Decimal	1900304
CIE _{Lab}	87.87, -84.86, 82.06
CIE _{LCh}	88, 118.047, 135.961
Yxy	71.8043, 0.3013, 0.5955
Android (android.graphics.Color)	4280090384 (0xFF1CFF10)
YUV	159.8810, -70.9333, -115.6596
Hunter-Lab	84.7374, -71.7560, 50.6156

Details

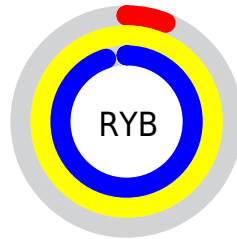
The XYZ color **36.3324, 71.8043, 12.4349** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **55.2080, 26.6513, 96.8422**, and the grayscale version is **33.6963, 35.4511, 38.6063**.

A 20% lighter version of the original color is **46.3288, 76.7245, 23.4339**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.9227, 71.6039, 11.9276**, and if you desaturate by 10%, it is **37.5971, 72.4198, 14.1433**.

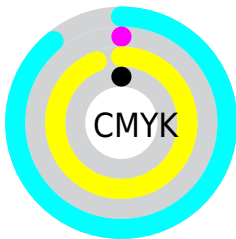
Distribution



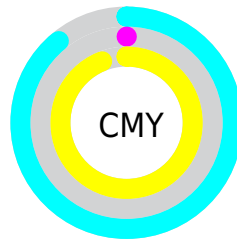
- Red (11%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (95%)



- Cyan (89%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)





- Cyan (89%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3324, 71.8043, 12.4349 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 36.3324, 71.8043, 12.4349 by changing the saturation by 10% instead.


 36.3324, 71.8043,
12.4349


 36.3324, 71.8043,
12.4349


321.8170,
466.8602, 218.3427


 24.8623, 52.9988,
6.9145


 68.8653, 121.7783,
30.9609


 16.1027, 37.8018,
3.3310


 90.6589, 153.7155,
44.8036


 9.6882, 25.8289,
1.2660


 116.6243,
190.7989, 62.2574

 5.2534, 16.6957,
0.0337

 147.1270,
233.4126, 83.7409

 2.4330, 10.0178,
0.0000

 182.5322,
281.9413, 109.6726

 0.8616, 5.4107,
0.0000

 223.2054,

 0.0000, 2.4902,

336.7691, 140.4711

0.0000

269.5119,
398.2806, 176.5550

■ 0.0000, 0.8717,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3324, 71.8043,
12.4349

■ 36.3324, 71.8043,
12.4349

■ 35.9227, 71.6039,
11.9276

■ 37.5971, 72.4198,
14.1433

■ 39.7899, 73.4804,
17.4006

■ 43.0446, 75.0495,
22.4641

■ 47.4730, 77.1804,
29.5436

■ 53.1730, 79.9193,
38.8204

■ 60.2318, 83.3081,
50.4556

■ 68.7293, 87.3846,
64.5951

■ 78.7389, 92.1837,
81.3731

■ 90.3293, 97.7382,
100.9142

Harmonies

Analogous

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



54.4537, 71.8043, 3.8418



36.3324, 71.8043, 12.4349



28.1315, 71.8043, 46.3573

Triad

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



36.3324, 71.8043, 12.4349



55.9728, 71.8043, 344.5119



134.4161, 71.8043, 42.9098

Complementary

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



36.3324, 71.8043, 12.4349



55.2080, 26.6513, 96.8422

Split Complementary

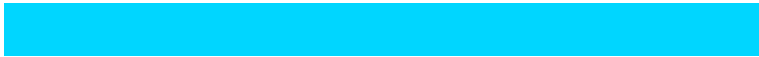
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



135.1541, 71.8043, 122.0005



36.3324, 71.8043, 12.4349



84.1944, 71.8043, 340.9156

Square

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



36.3324, 71.8043, 12.4349



37.1803, 71.8043, 250.2972



114.8732, 71.8043, 242.4132



113.0703, 71.8043, 11.3888

Rectangle

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



36.3324, 71.8043, 12.4349



27.4066, 71.8043, 95.3632



114.8732, 71.8043, 242.4132



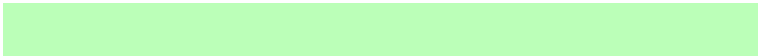
137.2470, 71.8043, 63.2004

Sweetspot

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



36.3326, 71.8044, 12.4360



64.9066, 85.5510, 58.2199



72.2203, 83.0707, 12.7191



13.1277, 17.9444, 11.1901



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.



36.3326, 71.8044, 12.4360



35.9227, 71.6039, 11.9276



39.3391, 72.9764, 29.6493



17.8557, 20.2115, 19.1045



18.8053, 37.4326, 6.2341



1.8593, 3.6593, 0.6083

Inverse Universe

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



55.2080, 26.6513, 96.8422



54.7457, 26.1373, 96.7673



47.0479, 23.8803, 31.5979



18.6975, 18.2513, 22.7873



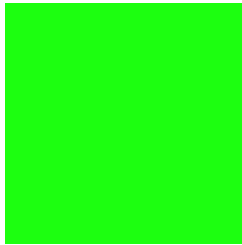
28.6450, 13.6775, 50.5649



2.8156, 1.3454, 4.9246

Previews

White Background



This preview shows how the XYZ color 36.3324, 71.8043, 12.4349 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 36.3324, 71.8043, 12.4349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

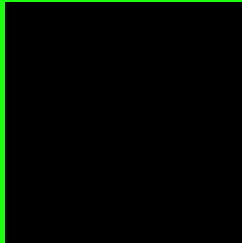
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

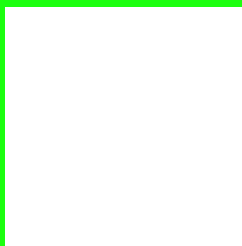
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3324, 71.8043, 12.4349

Background



This preview shows how black text looks on a background with the XYZ color 36.3324, 71.8043, 12.4349.

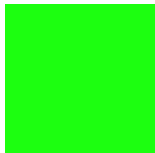


This preview shows how white text looks on a background with the XYZ color 36.3324, 71.8043,

Color Blindness Simulation

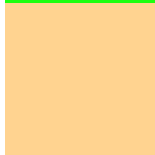
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



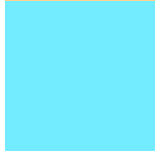
Original Color

36.3324, 71.8043, 12.4349



Deuteranopia

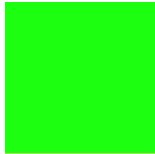
69.5683, 69.8621, 36.2037



Tritanopia

55.2479, 70.9239, 105.3856

Trichromacy



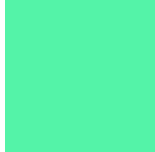
Original Color

36.3324, 71.8043, 12.4349



Deuteranomaly

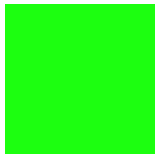
46.6400, 64.5719, 21.3147



Tritanomaly

42.7746, 68.8132, 48.0736

Monochromacy



Original Color

36.3324, 71.8043, 12.4349



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

28.9040, 43.5577, 21.0714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3324, 71.8043, 12.4349 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(28, 255, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 255, 16) }
```

Border

The CSS property to change the border of an element to XYZ 36.3324, 71.8043, 12.4349 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, 16) }
```

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

```
.border{ border-color:rgb(28, 255, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 255, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 255, 16);  
box-shadow:4px 4px 4px 4px rgb(28, 255,  
16) }
```


Background

The CSS property to change the background color of an element to XYZ 36.3324, 71.8043, 12.4349 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, 16) }
```

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

```
.background{ background-color: rgb(28, 255,  
16) }
```

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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