

Converting Colors

XYZ(36.3883, 71.8121, 13.3871)

Have a look what the booklet for
XYZ(36.3883, 71.8121, 13.3871)
contains.

XYZ(36.3879, 71.8120, 13.3821)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.3879, 71.8120,
13.3821)**

Conversions

Conversions Part 1

Format	Color
Hex	17FF21
RGB	23, 255, 33
RGB Percent	9%, 100%, 13%
CMY	0.9098, 0.0000, 0.8705
CMYK	0.91, 0.00, 0.87, 0.00
HSL	123°, 100%, 55%
HSV	123°, 91%, 100%
XYZ	36.3879, 71.8120, 13.3821
YIQ	160.3240, -67.0100, -118.2260

Conversions

Conversions Part 2

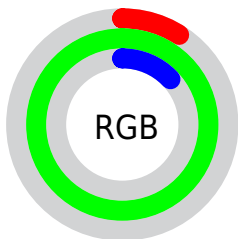
Format	Color
R _Y B	23, 245, 255
Decimal	1572641
CIE Lab	87.88, -84.69, 79.66
CIE LCh	88, 116.270, 136.753
Yxy	71.8120, 0.2993, 0.5906
Android (android.graphics.Color)	4279762721 (0xFF17FF21)
YUV	160.3240, -62.7707, -120.4331
Hunter-Lab	84.7420, -71.6512, 49.9565

Details

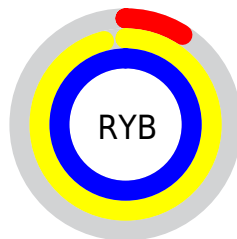
The XYZ color **36.3879, 71.8120, 13.3821** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **58.0258, 28.4646, 88.8113**, and the grayscale version is **33.8676, 35.6313, 38.8025**.

A 20% lighter version of the original color is **46.3766, 76.7102, 25.1942**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8204, 71.5442, 12.2383**, and if you desaturate by 10%, it is **37.7516, 72.4602, 15.9219**.

Distribution



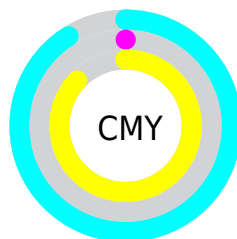
- Red (9%)
- Green (100%)
- Blue (13%)



- Red (9%)
- Yellow (96%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (91%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3879, 71.8120, 13.3821 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 36.3879, 71.8120, 13.3821 by changing the saturation by 10% instead.


 36.3879, 71.8120,
13.3821


 36.3879, 71.8120,
13.3821


322.0546,
466.8870, 224.6453


 24.9054, 53.0051,
7.5584


 68.9503, 121.7892,
32.6897

 16.1350, 37.8069,
3.7300


 90.7610, 153.7283,
47.0108


 9.7112, 25.8328,
1.4784


 116.7451,
190.8136, 65.0013

 5.2687, 16.6986,
0.2018

 147.2680,
233.4295, 87.0798

 2.4421, 10.0198,
0.0000

 182.6950,
281.9604, 113.6650

 0.8662, 5.4121,
0.0000

223.3915,

 0.0000, 2.4910,

336.7907, 145.1752

0.0000

269.7229,
398.3048, 182.0292

■ 0.0000, 0.8721,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3879, 71.8120,
13.3821

■ 36.3879, 71.8120,
13.3821

■ 35.8204, 71.5442,
12.2383

■ 37.7516, 72.4602,
15.9219

■ 40.1001, 73.5823,
20.0349

■ 43.5732, 75.2460,
25.9213

■ 48.2882, 77.5083,
33.7509

■ 54.3476, 80.4187,
43.6736

■ 61.8433, 84.0217,
55.8246

■ 70.8589, 88.3577,
70.3279

■ 81.4719, 93.4643,
87.2982

■ 93.7543, 99.3762,
106.8429

Harmonies

Analogous

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



54.0470, 71.8120, 4.2352



36.3879, 71.8120, 13.3821



28.4776, 71.8120, 48.2289

Triad

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



36.3879, 71.8120, 13.3821



56.7812, 71.8120, 339.8223



132.8811, 71.8120, 41.9979

Complementary

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



36.3879, 71.8120, 13.3821



58.0258, 28.4646, 88.8113

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.



134.1981, 71.8120, 118.5357



36.3879, 71.8120, 13.3821



84.7577, 71.8120, 333.4413

Square

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



36.3879, 71.8120, 13.3821



37.9213, 71.8120, 249.8359



114.7745, 71.8120, 235.8159



111.5525, 71.8120, 11.4524

Rectangle

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



36.3879, 71.8120, 13.3821



27.8975, 71.8120, 97.4993



114.7745, 71.8120, 235.8159



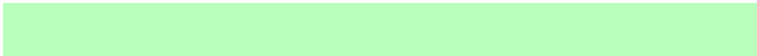
135.8465, 71.8120, 61.6167

Sweetspot

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



36.3881, 71.8121, 13.3832



65.2447, 85.6573, 61.3082



74.3666, 91.4046, 14.5340



13.3373, 18.0323, 12.1106



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.



36.3881, 71.8121, 13.3832



35.8204, 71.5442, 12.2383



41.3590, 73.8004, 39.5596



17.8033, 20.1809, 19.2674



18.7306, 37.3888, 6.4666



1.8344, 3.6447, 0.6858

Inverse Universe

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



58.0258, 28.4646, 88.8113



57.5682, 27.7913, 87.9129



45.6613, 23.5188, 23.7009



18.7568, 18.2860, 22.6025



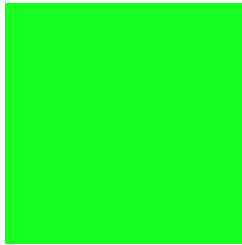
30.0955, 14.5275, 46.0150



2.9404, 1.4185, 4.5335

Previews

White Background



This preview shows how the XYZ color 36.3879, 71.8120, 13.3821 looks on a white background.

Color Contrast Check

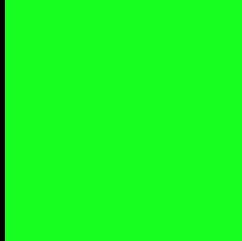
Large Text (above 18pt) WCAG AA × Fail

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 36.3879, 71.8120, 13.3821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

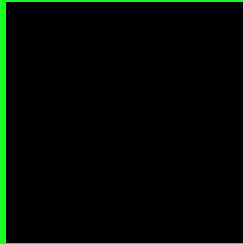
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3879, 71.8120, 13.3821

Background



This preview shows how black text looks on a background with the XYZ color 36.3879, 71.8120, 13.3821.

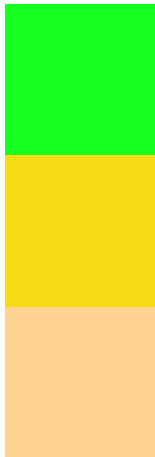


This preview shows how white text looks on a background with the XYZ color 36.3879, 71.8120,

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

36.3879, 71.8120, 13.3821

Protanopia

63.4638, 70.3064, 10.8874

Deuteranopia

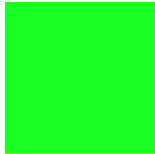
69.6451, 69.8929, 36.6080



Tritanopia

55.1157, 70.8557, 105.3794

Trichromacy



Original Color

36.3879, 71.8120, 13.3821



Protanomaly

44.5491, 65.7827, 11.2691



Deuteranomaly

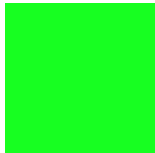
46.7624, 64.5956, 23.1003



Tritanomaly

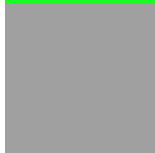
43.1702, 68.9510, 51.0780

Monochromacy



Original Color

36.3879, 71.8120, 13.3821



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

28.9828, 43.5601, 22.8000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3879, 71.8120, 13.3821 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(23, 255, 33)` looks like.

```
.text, #text, p{  
    color:rgb(23, 255, 33)  
}
```

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(23, 255, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 255, 33) }
```

Border

The CSS property to change the border of an element to XYZ 36.3879, 71.8120, 13.3821 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(23, 255, 33) }
```


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

```
.border{ border-color:rgb(23, 255, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 255, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 255, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 255, 33);  
box-shadow:4px 4px 4px 4px rgb(23, 255,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3879, 71.8120, 13.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 255, 33) }
```

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

```
.background{ background-color: rgb(23, 255,  
33) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor