

Converting Colors

XYZ(36.1547, 71.6959, 13.1830)

Have a look what the booklet for
XYZ(36.1547, 71.6959, 13.1830)
contains.

XYZ(36.1460, 71.6919, 13.1611)	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(36.1460, 71.6919,
13.1611)**

Conversions

Conversions Part 1

Format	Color
Hex	0CFF1E
RGB	12, 255, 30
RGB Percent	5%, 100%, 12%
CMY	0.9529, 0.0000, 0.8823
CMYK	0.95, 0.00, 0.88, 0.00
HSL	124°, 100%, 52%
HSV	124°, 95%, 100%
XYZ	36.1460, 71.6919, 13.1611
YIQ	156.6930, -72.6030, -121.4910

Conversions

Conversions Part 2

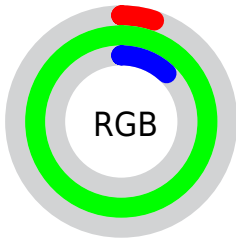
Format	Color
R_{YB}	12, 238, 255
Decimal	851742
CIE _{Lab}	87.82, -85.25, 80.11
CIE _{LCh}	88, 116.984, 136.779
Yxy	71.6919, 0.2987, 0.5925
Android (android.graphics.Color)	4279041822 (0xFF0CFF1E)
YUV	156.6930, -62.4596, -126.8958
Hunter-Lab	84.6711, -71.9729, 50.0538

Details

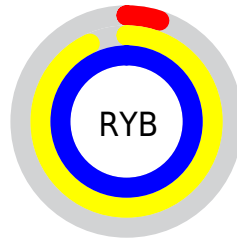
The XYZ color **36.1460, 71.6919, 13.1611** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **56.6559, 27.6368, 82.4602**, and the grayscale version is **32.2065, 33.8837, 36.8994**.

A 20% lighter version of the original color is **45.9941, 76.5245, 24.6585**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8767, 71.5667, 12.5346**, and if you desaturate by 10%, it is **37.1983, 72.1856, 15.4168**.

Distribution



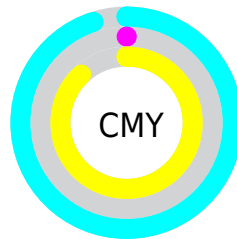
- Red (5%)
- Green (100%)
- Blue (12%)



- Red (5%)
- Yellow (93%)
- Blue (100%)



- Cyan (95%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)





- Cyan (95%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1460, 71.6919, 13.1611 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 36.1460, 71.6919, 13.1611 by changing the saturation by 10% instead.

 36.1460, 71.6919,
13.1611


 36.1460, 71.6919,
13.1611


321.0184,
466.4685, 223.1915


 24.7176, 52.9070,
7.4075


 68.5798, 121.6184,
32.2883

 15.9944, 37.7286,
3.6360


 90.3158, 153.5288,
46.4991


 9.6110, 25.7721,
1.4278


 116.2185,
190.5832, 64.3660

 5.2021, 16.6532,
0.1633

 146.6531,
233.1659, 86.3075

 2.4023, 9.9876,
0.0000

 181.9851,
281.6615, 112.7424

 0.8463, 5.3907,
0.0000

 222.5797,

 0.0000, 2.4783,

336.4541, 144.0889

0.0000

268.8023,
397.9283, 180.7658

■ 0.0000, 0.8657,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1460, 71.6919,
13.1611

■ 36.1460, 71.6919,
13.1611


■ 35.8767, 71.5667,
12.5346


■ 37.1983, 72.1856,
15.4168


■ 39.1581, 73.1161,
19.1139


■ 42.1739, 74.5560,
24.4404


■ 46.3671, 76.5645,
31.5549

 51.8425, 79.1927,
40.5976

 58.6933, 82.4860,
51.6945

 67.0042, 86.4853,
64.9610

 76.8527, 91.2286,
80.5039

 88.3112, 96.7509,
98.4230

Harmonies

Analogous

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



53.8490, 71.6919, 4.0928



36.1460, 71.6919, 13.1611



28.2339, 71.6919, 48.0282

Triad

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



36.1460, 71.6919, 13.1611



56.6350, 71.6919, 341.9452



133.1799, 71.6919, 41.6900

Complementary

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



36.1460, 71.6919, 13.1611



56.6559, 27.6368, 82.4602

Split Complementary

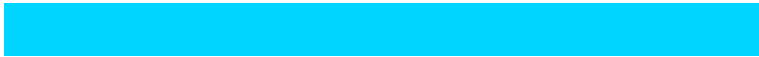
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



134.5268, 71.6919, 118.5564



36.1460, 71.6919, 13.1611



84.7614, 71.6919, 335.4033

Square

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



36.1460, 71.6919, 13.1611



37.7052, 71.6919, 251.1356



114.9730, 71.6919, 236.7758



111.6799, 71.6919, 11.2152

Rectangle

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



36.1460, 71.6919, 13.1611



27.6583, 71.6919, 97.5552



114.9730, 71.6919, 236.7758



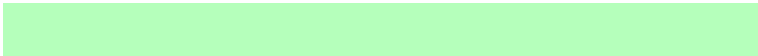
136.1746, 71.6919, 61.3526

Sweetspot

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



36.1462, 71.6920, 13.1622



63.7473, 84.9176, 59.7820



71.3556, 89.8625, 13.9323



12.8975, 17.8164, 11.6019



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.



36.1462, 71.6920, 13.1622



35.8767, 71.5667, 12.5346



41.3927, 73.7906, 40.7899



17.8262, 20.1900, 19.3877



18.7658, 37.4029, 6.6522



1.8452, 3.6490, 0.7428

Inverse Universe

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



56.6559, 27.6368, 82.4602



56.3946, 27.3219, 81.7333



44.6003, 22.8145, 18.9760



18.7311, 18.2758, 22.4673



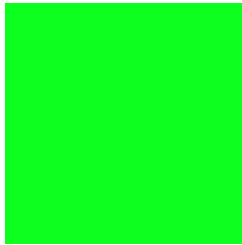
29.4920, 14.2861, 42.8367



2.8882, 1.3976, 4.2586

Previews

White Background



This preview shows how the XYZ color 36.1460, 71.6919, 13.1611 looks on a white background.

Color Contrast Check

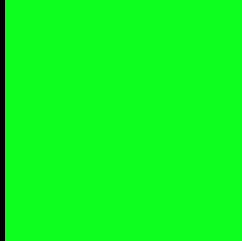
Large Text (above 18pt) WCAG AA × Fail

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 36.1460, 71.6919, 13.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

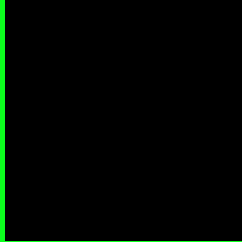
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

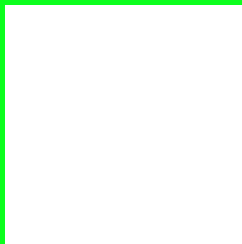
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1460, 71.6919, 13.1611

Background



This preview shows how black text looks on a background with the XYZ color 36.1460, 71.6919, 13.1611.



This preview shows how white text looks on a background with the XYZ color 36.1460, 71.6919,

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

36.1460, 71.6919, 13.1611

Protanopia

63.1710, 69.7730, 10.6283

Deuteranopia

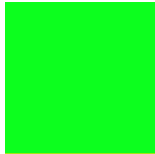
69.5683, 69.8621, 36.2037



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

36.1460, 71.6919, 13.1611



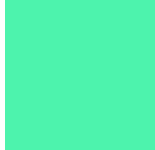
Protanomaly

43.4092, 64.7830, 10.9259



Deuteranomaly

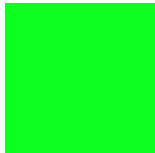
45.8536, 64.1329, 22.7941



Tritanomaly

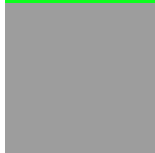
42.6540, 68.6961, 50.5467

Monochromacy



Original Color

36.1460, 71.6919, 13.1611



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

27.6481, 42.2307, 21.7331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1460, 71.6919, 13.1611 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(12, 255, 30)` looks like.

```
.text, #text, p{  
    color:rgb(12, 255, 30)  
}
```

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(12, 255, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 255, 30) }
```

Border

The CSS property to change the border of an element to XYZ 36.1460, 71.6919, 13.1611 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(12, 255, 30) }
```


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

```
.border{ border-color:rgb(12, 255, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 255, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 255, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 255, 30);  
box-shadow:4px 4px 4px 4px rgb(12, 255,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1460, 71.6919, 13.1611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 255, 30) }
```

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

```
.background{ background-color: rgb(12, 255,  
30) }
```

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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