

Converting Colors

XYZ(36.0985, 71.6554, 13.7023)

Have a look what the booklet for
XYZ(36.0985, 71.6554, 13.7023)
contains.

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Color

**XYZ(36.0939, 71.6536,
13.6784)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF25
RGB	0, 255, 37
RGB Percent	0%, 100%, 15%
CMY	1.0000, 0.0000, 0.8549
CMYK	1.00, 0.00, 0.85, 0.00
HSL	129°, 100%, 50%
HSV	129°, 100%, 100%
XYZ	36.0939, 71.6536, 13.6784
YIQ	153.9030, -82.0020, -121.8580

Conversions

Conversions Part 2

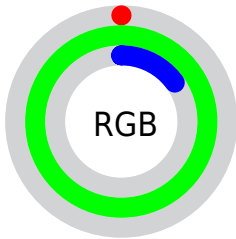
Format	Color
RYB	0, 223, 255
Decimal	65317
CIELab	87.80, -85.34, 78.80
CIELCh	88, 116.160, 137.282
Yxy	71.6536, 0.2973, 0.5901
Android (android.graphics.Color)	4278255397 (0xFF00FF25)
YUV	153.9030, -57.6332, -134.9729
Hunter-Lab	84.6484, -72.0228, 49.6732

Details

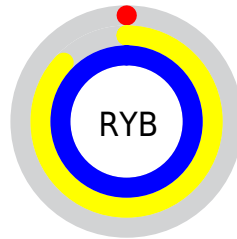
The XYZ color **36.0939, 71.6536, 13.6784** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **53.8932, 26.3213, 68.5607**, and the grayscale version is **30.9440, 32.5555, 35.4530**.

A 20% lighter version of the original color is **45.9176, 76.4619, 25.7031**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.0941, 71.6537, 13.6795**, and if you desaturate by 10%, it is **36.9579, 72.0469, 16.0707**.

Distribution



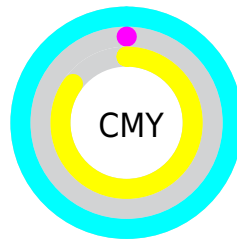
- Red (0%)
- Green (100%)
- Blue (15%)



- Red (0%)
- Yellow (87%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0939, 71.6536, 13.6784 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 36.0939, 71.6536, 13.6784 by changing the saturation by 10% instead.


 36.0939, 71.6536,
13.6784


 36.0939, 71.6536,
13.6784


320.7949,
466.3350, 226.5793


 24.6772, 52.8758,
7.7611


 68.4999, 121.5639,
33.2262


 15.9641, 37.7036,
3.8569


 90.2199, 153.4652,
47.6938


 9.5895, 25.7527,
1.5472


 116.1050,
190.5097, 65.8486

 5.1878, 16.6387,
0.2527

 146.5206,
233.0819, 88.1091

 2.3938, 9.9773,
0.0000

 181.8320,
281.5661, 114.8939

 0.8420, 5.3839,
0.0000

222.4046,

 0.0000, 2.4742,

336.3468, 146.6215

0.0000

268.6038,
397.8083, 183.7104

■ 0.0000, 0.8637,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0939, 71.6536,
13.6784

■ 36.0939, 71.6536,
13.6784

■ 36.0941, 71.6537,
13.6795

■ 36.9579, 72.0469,
16.0707

■ 38.5959, 72.8121,
19.7281

■ 41.1990, 74.0445,
24.7976

■ 44.8907, 75.8053,
31.4037

■ 49.7759, 78.1460,
39.6570

■ 55.9466, 81.1122,
49.6583

■ 63.4861, 84.7446,
61.4998

■ 72.4703, 89.0807,
75.2677

■ 82.9696, 94.1551,
91.0424

Harmonies

Analogous

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



53.5306, 71.6536, 4.2894



36.0939, 71.6536, 13.6784



28.3595, 71.6536, 49.1254

Triad

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



36.0939, 71.6536, 13.6784



57.0815, 71.6536, 339.8287



132.3478, 71.6536, 41.0312

Complementary

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



36.0939, 71.6536, 13.6784



53.8932, 26.3213, 68.5607

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.



134.0576, 71.6536, 116.4697



36.0939, 71.6536, 13.6784



85.1093, 71.6536, 331.5459

Square

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



36.0939, 71.6536, 13.6784



38.0856, 71.6536, 251.3140



114.9825, 71.6536, 233.1139



110.7992, 71.6536, 11.1699

Rectangle

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



36.0939, 71.6536, 13.6784



27.8752, 71.6536, 98.9017



114.9825, 71.6536, 233.1139



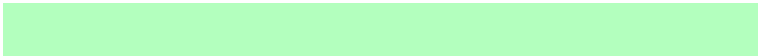
135.4344, 71.6536, 60.3037

Sweetspot

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



36.0941, 71.6537, 13.6795



63.4861, 84.7446, 61.4998



65.5788, 86.8922, 13.3155



12.8714, 17.7931, 12.0456



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.



36.0941, 71.6537, 13.6795



42.2372, 74.1109, 46.0286



17.8790, 20.2111, 19.6656



18.8921, 37.4534, 7.3171



1.8700, 3.6589, 0.8734

Inverse Universe

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



53.8932, 26.3213, 68.5607



43.2380, 22.0592, 12.4514



18.6726, 18.2524, 22.1591



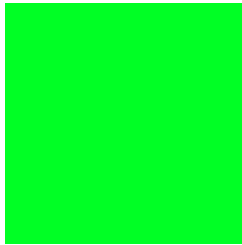
28.2037, 13.7708, 36.0526



2.7757, 1.3527, 3.6663

Previews

White Background



This preview shows how the XYZ color 36.0939, 71.6536, 13.6784 looks on a white background.

Color Contrast Check

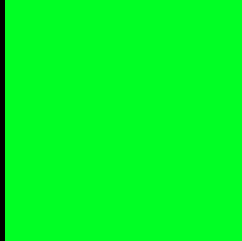
Large Text (above 18pt) WCAG AA × Fail

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 36.0939, 71.6536, 13.6784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

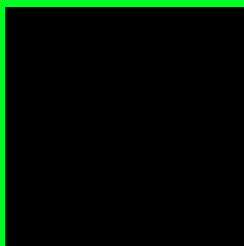
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

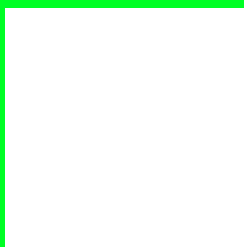
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0939, 71.6536, 13.6784

Background



This preview shows how black text looks on a background with the XYZ color 36.0939, 71.6536, 13.6784.

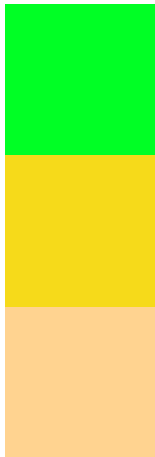


This preview shows how white text looks on a background with the XYZ color 36.0939, 71.6536,

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

36.0939, 71.6536, 13.6784

Protanopia

63.2639, 69.8102, 11.1176

Deuteranopia

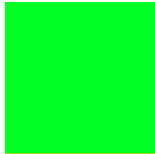
69.5683, 69.8621, 36.2037



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

36.0939, 71.6536, 13.6784



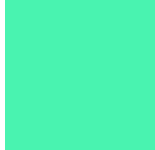
Protanomaly

42.7149, 64.4137, 11.4101



Deuteranomaly

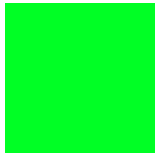
44.9192, 63.6395, 23.2808



Tritanomaly

42.6347, 68.6522, 52.0784

Monochromacy



Original Color

36.0939, 71.6536, 13.6784



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.5370, 41.0060, 21.5552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0939, 71.6536, 13.6784 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, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 37) }
```

Border

The CSS property to change the border of an element to XYZ 36.0939, 71.6536, 13.6784 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, 37) }
```

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

```
.border{ border-color:rgb(0, 255, 37) }
```

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, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 37);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.0939, 71.6536, 13.6784 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, 37) }
```

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

```
.background{ background-color: rgb(0, 255,  
37) }
```

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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