

Converting Colors

XYZ(36.0081, 71.6198, 13.2023)

Have a look what the booklet for
XYZ(36.0081, 71.6198, 13.2023)
contains.

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Color

**XYZ(36.0073, 71.6189,
13.2224)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF1F
RGB	0, 255, 31
RGB Percent	0%, 100%, 12%
CMY	1.0000, 0.0000, 0.8784
CMYK	1.00, 0.00, 0.88, 0.00
HSL	127°, 100%, 50%
HSV	127°, 100%, 100%
XYZ	36.0073, 71.6189, 13.2224
YIQ	153.2190, -80.0760, -123.7240

Conversions

Conversions Part 2

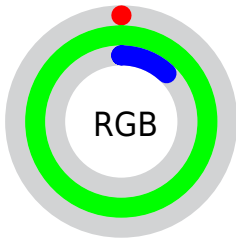
Format	Color
RYB	0, 227, 255
Decimal	65311
CIELab	87.78, -85.56, 79.90
CIELCh	88, 117.066, 136.960
Yxy	71.6189, 0.2980, 0.5926
Android (android.graphics.Color)	4278255391 (0xFF00FF1F)
YUV	153.2190, -60.2540, -134.3731
Hunter-Lab	84.6280, -72.1512, 49.9760

Details

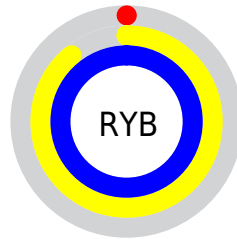
The XYZ color **36.0073, 71.6189, 13.2224** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **54.6923, 26.6409, 72.7687**, and the grayscale version is **30.6542, 32.2506, 35.1209**.

A 20% lighter version of the original color is **45.7660, 76.4012, 24.9052**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.0075, 71.6190, 13.2235**, and if you desaturate by 10%, it is **36.8255, 71.9940, 15.3738**.

Distribution



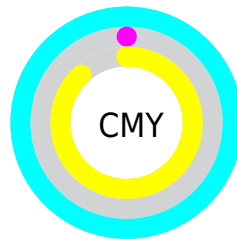
- Red (0%)
- Green (100%)
- Blue (12%)



- Red (0%)
- Yellow (89%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0073, 71.6189, 13.2224 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 36.0073, 71.6189, 13.2224 by changing the saturation by 10% instead.


 36.0073, 71.6189,
13.2224


 36.0073, 71.6189,
13.2224


320.4231,
466.2140, 223.5958


 24.6100, 52.8474,
7.4493


 68.3671, 121.5146,
32.3998

 15.9139, 37.6810,
3.6620


 90.0603, 153.4075,
46.6412


 9.5537, 25.7352,
1.4418


 115.9162,
190.4431, 64.5425

 5.1640, 16.6256,
0.1740

 146.3001,
233.0057, 86.5222

 2.3796, 9.9679,
0.0000

 181.5774,
281.4797, 112.9988

 0.8349, 5.3777,
0.0000

 222.1134,

 0.0000, 2.4705,

336.2495, 144.3909

0.0000

268.2736,
397.6995, 181.1171

■ 0.0000, 0.8618,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0073, 71.6189,
13.2224

■ 36.0073, 71.6189,
13.2224

■ 36.0075, 71.6190,
13.2235

■ 36.8255, 71.9940,
15.3738

■ 38.4233, 72.7430,
18.8192

■ 40.9950, 73.9629,
23.7234

■ 44.6668, 75.7157,
30.2244

■ 49.5456, 78.0539,
38.4445

■ 55.7255, 81.0238,
48.4938

■ 63.2911, 84.6667,
60.4733

■ 72.3201, 89.0207,
74.4767

■ 82.8840, 94.1208,
90.5915

Harmonies

Analogous

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



53.6426, 71.6189, 4.0870



36.0073, 71.6189, 13.2224



28.1540, 71.6189, 48.2943

Triad

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



36.0073, 71.6189, 13.2224



56.7115, 71.6189, 342.3040



133.0505, 71.6189, 41.3139

Complementary

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



36.0073, 71.6189, 13.2224



54.6923, 26.6409, 72.7687

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.



134.5348, 71.6189, 117.8626



36.0073, 71.6189, 13.2224



84.8805, 71.6189, 335.0917

Square

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



36.0073, 71.6189, 13.2224



37.7244, 71.6189, 251.8526



115.0767, 71.6189, 236.0232



111.4477, 71.6189, 11.0819

Rectangle

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



36.0073, 71.6189, 13.2224



27.6111, 71.6189, 98.0354



115.0767, 71.6189, 236.0232



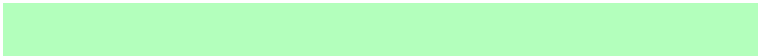
136.0910, 71.6189, 60.8666

Sweetspot

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



36.0075, 71.6190, 13.2235



63.2911, 84.6667, 60.4733



66.8893, 87.5678, 13.3768



12.8269, 17.7753, 11.8110



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.



36.0075, 71.6190, 13.2235



41.8672, 73.9629, 44.0799



17.8614, 20.2041, 19.5733



18.8427, 37.4337, 7.0568



1.8618, 3.6557, 0.8302

Inverse Universe

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



54.6923, 26.6409, 72.7687



43.4328, 22.1371, 13.4772



18.6919, 18.2601, 22.2608



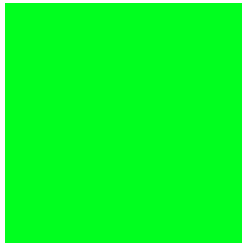
28.6155, 13.9355, 38.2213



2.8118, 1.3671, 3.8565

Previews

White Background



This preview shows how the XYZ color 36.0073, 71.6189, 13.2224 looks on a white background.

Color Contrast Check

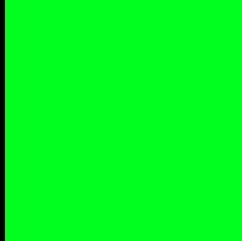
Large Text (above 18pt) WCAG AA × Fail

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 36.0073, 71.6189, 13.2224 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

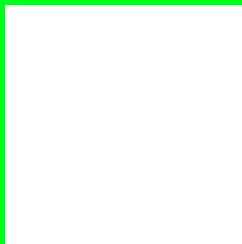
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0073, 71.6189, 13.2224

Background



This preview shows how black text looks on a background with the XYZ color 36.0073, 71.6189, 13.2224.

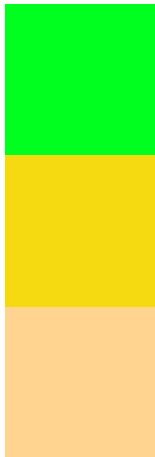


This preview shows how white text looks on a background with the XYZ color 36.0073, 71.6189,

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

36.0073, 71.6189, 13.2224

Protanopia

63.1786, 69.7761, 10.6686

Deuteranopia

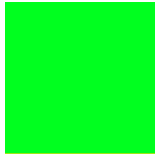
69.5683, 69.8621, 36.2037



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

36.0073, 71.6189, 13.2224



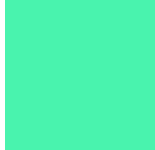
Protanomaly

42.6254, 64.3779, 10.9386



Deuteranomaly

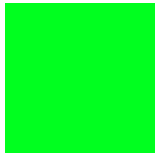
44.8176, 63.5988, 22.7456



Tritanomaly

42.4382, 68.5736, 51.0437

Monochromacy



Original Color

36.0073, 71.6189, 13.2224



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.1035, 40.4724, 20.9042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0073, 71.6189, 13.2224 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 31)  
}
```

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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 31) }
```

Border

The CSS property to change the border of an element to XYZ 36.0073, 71.6189, 13.2224 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, 31) }
```

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

```
.border{ border-color:rgb(0, 255, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.0073, 71.6189, 13.2224 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, 31) }
```

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

```
.background{ background-color: rgb(0, 255,  
31) }
```

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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