

Converting Colors

XYZ(36.6786, 71.8874, 16.7570)

Have a look what the booklet for
XYZ(36.6786, 71.8874, 16.7570)
contains.

XYZ(36.6854, 71.8902, 16.7932)	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(36.6854, 71.8902,
16.7932)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF40
RGB	0, 255, 64
RGB Percent	0%, 100%, 25%
CMY	1.0000, 0.0000, 0.7490
CMYK	1.00, 0.00, 0.75, 0.00
HSL	135°, 100%, 50%
HSV	135°, 100%, 100%
XYZ	36.6854, 71.8902, 16.7932
YIQ	156.9810, -90.6690, -113.4610

Conversions

Conversions Part 2

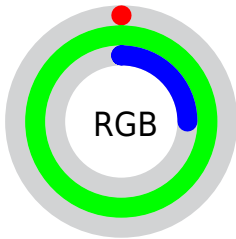
Format	Color
RYB	0, 204, 255
Decimal	65344
CIELab	87.92, -83.87, 71.91
CIELCh	88, 110.475, 139.390
Yxy	71.8902, 0.2926, 0.5734
Android (android.graphics.Color)	4278255424 (0xFF00FF40)
YUV	156.9810, -45.8396, -137.6723
Hunter-Lab	84.7881, -71.1473, 47.6086

Details

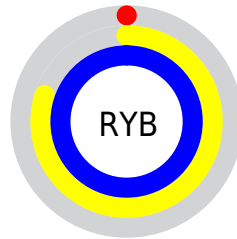
The XYZ color **36.6854, 71.8902, 16.7932** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.6431, 25.0212, 51.4461**, and the grayscale version is **32.2686, 33.9491, 36.9706**.

A 20% lighter version of the original color is **46.8064, 76.8016, 31.0961**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.6856, 71.8903, 16.7943**, and if you desaturate by 10%, it is **37.7388, 72.3593, 20.1830**.

Distribution



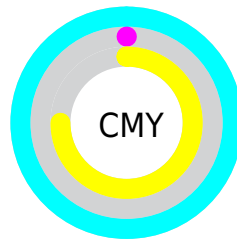
- Red (0%)
- Green (100%)
- Blue (25%)



- Red (0%)
- Yellow (80%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6854, 71.8902, 16.7932 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 36.6854, 71.8902, 16.7932 by changing the saturation by 10% instead.


 36.6854, 71.8902,
16.7932


 36.6854, 71.8902,
16.7932


323.3257,
467.1593, 245.9813


 25.1366, 53.0690,
9.9268


 69.4056, 121.9004,
38.7556


 16.3081, 37.8578,
5.2455


 91.3078, 153.8582,
54.6887


 9.8347, 25.8724,
2.3307


 117.3917,
190.9636, 74.4811

 5.3509, 16.7282,
0.7484

 148.0227,
233.6011, 98.5513

 2.4914, 10.0409,
0.0000

 183.5663,
282.1550, 127.3179

 0.8909, 5.4261,
0.0000

224.3878,

 0.0000, 2.4994,

337.0098, 161.1994

0.0000

270.8524,
398.5497, 200.6143

■ 0.0000, 0.8763,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6854, 71.8902,
16.7932

■ 36.6854, 71.8902,
16.7932

■ 36.6856, 71.8903,
16.7943

■ 37.7388, 72.3593,
20.1830

■ 39.5338, 73.1872,
24.6670

■ 42.2503, 74.4650,
30.3339

■ 46.0030, 76.2502,
37.2609

■ 50.8889, 78.5913,
45.5182

■ 56.9935, 81.5310,
55.1709

■ 64.3938, 85.1077,
66.2798

■ 73.1604, 89.3568,
78.9021

■ 83.3588, 94.3108,
93.0917

Harmonies

Analogous

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



52.8811, 71.8902, 5.7318



36.6854, 71.8902, 16.7932



29.7086, 71.8902, 54.5276

Triad

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



36.6854, 71.8902, 16.7932



59.4366, 71.8902, 324.2807



127.9771, 71.8902, 39.3736

Complementary

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



36.6854, 71.8902, 16.7932



50.6431, 25.0212, 51.4461

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.



131.0451, 71.8902, 108.0787



36.6854, 71.8902, 16.7932



86.5268, 71.8902, 309.7063

Square

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



36.6854, 71.8902, 16.7932



40.4207, 71.8902, 247.6847



114.3470, 71.8902, 215.4151



106.8050, 71.8902, 11.7791

Rectangle

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



36.6854, 71.8902, 16.7932



29.6014, 71.8902, 104.3563



114.3470, 71.8902, 215.4151



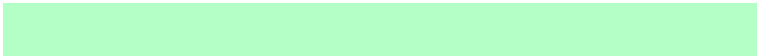
131.3339, 71.8902, 56.9493

Sweetspot

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



36.6856, 71.8903, 16.7943



64.3938, 85.1077, 66.2798



57.3088, 82.6288, 12.9285



13.0803, 17.8766, 13.1453



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.



36.6856, 71.8903, 16.7943



36.6856, 71.8903, 16.7943



45.1915, 75.2926, 61.5857



17.9586, 20.2430, 20.0849



19.2190, 37.5842, 9.0385



1.9129, 3.6761, 1.0990

Inverse Universe

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



50.6431, 25.0212, 51.4461



50.6431, 25.0212, 51.4461



42.1583, 21.6273, 6.7658



18.5864, 18.2179, 21.7051



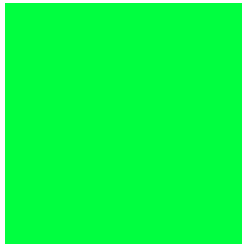
26.5252, 13.0994, 27.2141



2.6264, 1.2930, 2.8803

Previews

White Background



This preview shows how the XYZ color 36.6854, 71.8902, 16.7932 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 36.6854, 71.8902, 16.7932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

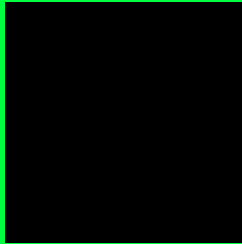
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

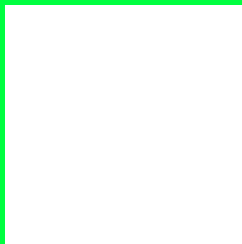
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6854, 71.8902, 16.7932

Background



This preview shows how black text looks on a background with the XYZ color 36.6854, 71.8902, 16.7932.

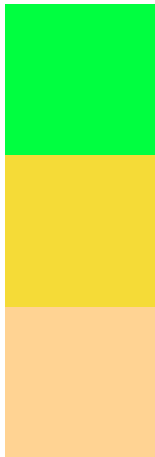


This preview shows how white text looks on a background with the XYZ color 36.6854, 71.8902,

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

36.6854, 71.8902, 16.7932

Protanopia

63.6773, 70.3513, 13.8374

Deuteranopia

69.8007, 69.9551, 37.4276



Tritanopia

55.4044, 71.4332, 105.4756

Trichromacy



Original Color

36.6854, 71.8902, 16.7932



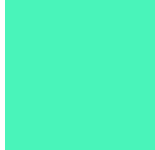
Protanomaly

43.3306, 65.0866, 14.2822



Deuteranomaly

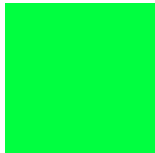
45.5803, 63.9039, 26.7620



Tritanomaly

43.9613, 69.6630, 57.5837

Monochromacy



Original Color

36.6854, 71.8902, 16.7932



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

27.9006, 42.2793, 25.4291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6854, 71.8902, 16.7932 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 64) }
```

Border

The CSS property to change the border of an element to XYZ 36.6854, 71.8902, 16.7932 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, 64) }
```


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

```
.border{ border-color:rgb(0, 255, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.6854, 71.8902, 16.7932 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, 64) }
```

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

```
.background{ background-color: rgb(0, 255,  
64) }
```

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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