

Converting Colors

XYZ(36.7232, 71.9053, 16.9920)

Have a look what the booklet for
XYZ(36.7232, 71.9053, 16.9920)
contains.

XYZ(36.7141, 71.9017, 16.9444)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**XYZ(36.7141, 71.9017,
16.9444)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF41
RGB	0, 255, 65
RGB Percent	0%, 100%, 25%
CMY	1.0000, 0.0000, 0.7451
CMYK	1.00, 0.00, 0.75, 0.00
HSL	135°, 100%, 50%
HSV	135°, 100%, 100%
XYZ	36.7141, 71.9017, 16.9444
YIQ	157.0950, -90.9900, -113.1500

Conversions

Conversions Part 2

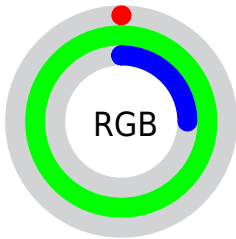
Format	Color
RYB	0, 203, 255
Decimal	65345
CIELab	87.92, -83.80, 71.60
CIELCh	88, 110.218, 139.489
Yxy	71.9017, 0.2924, 0.5726
Android (android.graphics.Color)	4278255425 (0xFF00FF41)
YUV	157.0950, -45.4028, -137.7723
Hunter-Lab	84.7949, -71.1049, 47.5086

Details

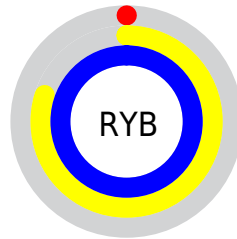
The XYZ color **36.7141, 71.9017, 16.9444** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.5335, 24.9774, 50.8686**, and the grayscale version is **32.3183, 34.0013, 37.0275**.

A 20% lighter version of the original color is **46.8693, 76.8268, 31.4276**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.7144, 71.9017, 16.9455**, and if you desaturate by 10%, it is **37.7738, 72.3733, 20.3674**.

Distribution



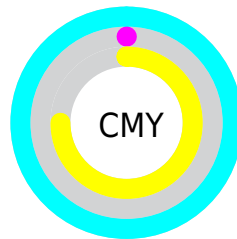
- Red (0%)
- Green (100%)
- Blue (25%)



- 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 36.7141, 71.9017, 16.9444 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 36.7141, 71.9017, 16.9444 by changing the saturation by 10% instead.


 36.7141, 71.9017,
16.9444


 36.7141, 71.9017,
16.9444


323.4481,
467.1994, 246.8849

 25.1589, 53.0784,
10.0333


 69.4495, 121.9168,
39.0195

 16.3248, 37.8653,
5.3152


 91.3605, 153.8773,
55.0206


 9.8466, 25.8782,
2.3714


 117.4540,
190.9857, 74.8888

 5.3588, 16.7325,
0.7708

 148.0955,
233.6263, 99.0426

 2.4962, 10.0440,
0.0000

 183.6503,
282.1836, 127.9005

 0.8934, 5.4281,
0.0000

224.4837,

 0.0000, 2.5006,

337.0420, 161.8812

0.0000

270.9613,
398.5858, 201.4032

■ 0.0000, 0.8769,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7141, 71.9017,
16.9444

■ 36.7141, 71.9017,
16.9444

■ 36.7144, 71.9017,
16.9455

■ 37.7738, 72.3733,
20.3674

■ 39.5737, 73.2032,
24.8774

■ 42.2935, 74.4823,
30.5615

■ 46.0475, 76.2680,
37.4953

■ 50.9325, 78.6087,
45.7480

■ 57.0339, 81.5471,
55.3836

■ 64.4283, 85.1216,
66.4618

■ 73.1864, 89.3672,
79.0389

■ 83.3733, 94.3166,
93.1681

Harmonies

Analogous

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



52.8540, 71.9017, 5.8043



36.7141, 71.9017, 16.9444



29.7719, 71.9017, 54.7790

Triad

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



36.7141, 71.9017, 16.9444



59.5443, 71.9017, 323.5792



127.7816, 71.9017, 39.3035

Complementary

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



36.7141, 71.9017, 16.9444



50.5335, 24.9774, 50.8686

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.



130.9086, 71.9017, 107.7141



36.7141, 71.9017, 16.9444



86.5900, 71.9017, 308.7380

Square

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



36.7141, 71.9017, 16.9444



40.5289, 71.9017, 247.5111



114.3166, 71.9017, 214.6391



106.6279, 71.9017, 11.8090

Rectangle

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



36.7141, 71.9017, 16.9444



29.6822, 71.9017, 104.6030



114.3166, 71.9017, 214.6391



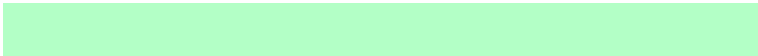
131.1499, 71.9017, 56.8050

Sweetspot

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



36.7144, 71.9017, 16.9455



64.4283, 85.1216, 66.4618



57.3088, 82.6288, 12.9285



13.0883, 17.8798, 13.1874



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.



36.7144, 71.9017, 16.9455



45.1915, 75.2926, 61.5857



17.9615, 20.2441, 20.1005



19.2346, 37.5904, 9.1207



1.9147, 3.6768, 1.1089

Inverse Universe

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



50.5335, 24.9774, 50.8686



42.1583, 21.6273, 6.7658



18.5832, 18.2166, 21.6884



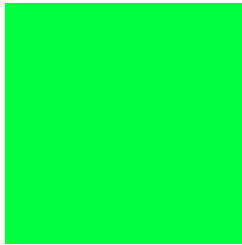
26.4685, 13.0767, 26.9153



2.6213, 1.2909, 2.8533

Previews

White Background



This preview shows how the XYZ color 36.7141, 71.9017, 16.9444 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 36.7141, 71.9017, 16.9444 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

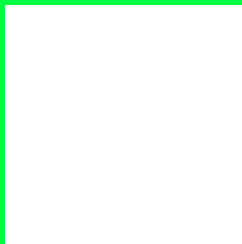
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7141, 71.9017, 16.9444

Background



This preview shows how black text looks on a background with the XYZ color 36.7141, 71.9017, 16.9444.

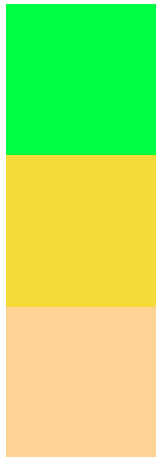


This preview shows how white text looks on a background with the XYZ color 36.7141, 71.9017,

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

36.7141, 71.9017, 16.9444

Protanopia

63.7015, 70.3610, 13.9650

Deuteranopia

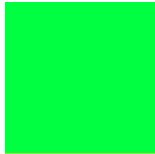
69.8796, 69.9866, 37.8427



Tritanopia

55.4044, 71.4332, 105.4756

Trichromacy



Original Color

36.7141, 71.9017, 16.9444



Protanomaly

43.3563, 65.0969, 14.4175



Deuteranomaly

45.6394, 63.9276, 27.0733



Tritanomaly

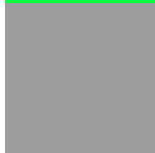
43.9613, 69.6630, 57.5837

Monochromacy



Original Color

36.7141, 71.9017, 16.9444



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

27.9636, 42.3045, 25.7605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7141, 71.9017, 16.9444 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 65) }
```

Border

The CSS property to change the border of an element to XYZ 36.7141, 71.9017, 16.9444 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, 65) }
```

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

```
.border{ border-color:rgb(0, 255, 65) }
```

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, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.7141, 71.9017, 16.9444 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, 65) }
```

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

```
.background{ background-color: rgb(0, 255,  
65) }
```

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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