

Converting Colors

XYZ(36.4457, 71.8047, 15.0583)

Have a look what the booklet for
XYZ(36.4457, 71.8047, 15.0583)
contains.

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Color

**XYZ(36.4452, 71.8042,
15.0707)**

Conversions

Conversions Part 1

Format	Color
Hex	07FF33
RGB	7, 255, 51
RGB Percent	3%, 100%, 20%
CMY	0.9725, 0.0000, 0.8000
CMYK	0.97, 0.00, 0.80, 0.00
HSL	131°, 100%, 51%
HSV	131°, 97%, 100%
XYZ	36.4452, 71.8042, 15.0707
YIQ	157.5920, -82.3240, -116.0200

Conversions

Conversions Part 2

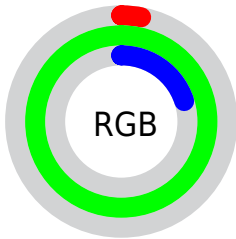
Format	Color
R_{YB}	7, 218, 255
Decimal	524083
CIE _{Lab}	87.87, -84.49, 75.64
CIE _{LCh}	88, 113.397, 138.163
Yxy	71.8042, 0.2955, 0.5823
Android (android.graphics.Color)	4278714163 (0xFF07FF33)
YUV	157.5920, -52.5499, -132.0692
Hunter-Lab	84.7374, -71.5182, 48.7713

Details

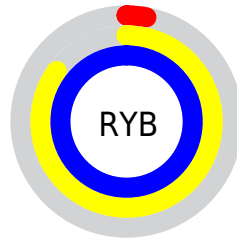
The XYZ color **36.4452, 71.8042, 15.0707** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **53.0734, 26.1150, 63.8689**, and the grayscale version is **32.5728, 34.2692, 37.3191**.

A 20% lighter version of the original color is **46.5430, 76.7280, 28.2765**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.2384, 71.7114, 14.4394**, and if you desaturate by 10%, it is **37.5407, 72.3029, 18.1056**.

Distribution



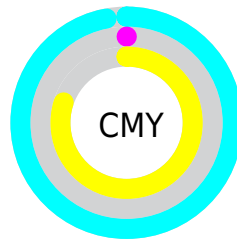
- Red (3%)
- Green (100%)
- Blue (20%)



- Red (3%)
- Yellow (85%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4452, 71.8042, 15.0707 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 36.4452, 71.8042, 15.0707 by changing the saturation by 10% instead.


 36.4452, 71.8042,
15.0707


 36.4452, 71.8042,
15.0707


322.2997,
466.8598, 235.4493

 24.9499, 52.9987,
8.7218


 69.0381, 121.7781,
35.7212


 16.1683, 37.8018,
4.4659


 90.8664, 153.7154,
50.8600


 9.7349, 25.8289,
1.8842


 116.8697,
190.7987, 69.7657

 5.2845, 16.6957,
0.4827

 147.4135,
233.4124, 92.8571

 2.4516, 10.0177,
0.0000

 182.8630,
281.9410, 120.5526

 0.8709, 5.4107,
0.0000

223.5836,

 0.0000, 2.4902,

336.7688, 153.2708

0.0000

269.9407,
398.2803, 191.4301

■ 0.0000, 0.8717,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4452, 71.8042,
15.0707

■ 36.4452, 71.8042,
15.0707


■ 36.2384, 71.7114,
14.4394


■ 37.5407, 72.3029,
18.1056


■ 39.4793, 73.2093,
22.3968


■ 42.4057, 74.5955,
28.0638


■ 46.4343, 76.5183,
35.2110

 51.6635, 79.0265,
43.9327

 58.1804, 82.1630,
54.3153

 66.0641, 85.9670,
66.4388

 75.3871, 90.4743,
80.3782

 86.2169, 95.7182,
96.2040

Harmonies

Analogous

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



53.3263, 71.8042, 4.9430



36.4452, 71.8042, 15.0707



29.0366, 71.8042, 51.5038

Triad

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



36.4452, 71.8042, 15.0707



58.1535, 71.8042, 332.2143



130.3273, 71.8042, 40.4258

Complementary

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



36.4452, 71.8042, 15.0707



53.0734, 26.1150, 63.8689

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.



132.6200, 71.8042, 112.7751



36.4452, 71.8042, 15.0707



85.7214, 71.8042, 321.2117

Square

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



36.4452, 71.8042, 15.0707



39.1736, 71.8042, 249.2307



114.6304, 71.8042, 224.9663



109.0082, 71.8042, 11.5254

Rectangle

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



36.4452, 71.8042, 15.0707



28.7112, 71.8042, 101.2206



114.6304, 71.8042, 224.9663



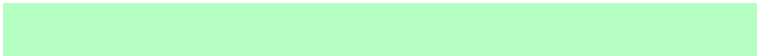
133.5212, 71.8042, 58.9357

Sweetspot

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



36.4455, 71.8043, 15.0718



64.5847, 85.2526, 64.1915



63.4330, 85.7815, 13.4154



13.0898, 17.8933, 12.6147



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.



36.4455, 71.8043, 15.0718



36.2384, 71.7114, 14.4394



43.3263, 74.5567, 51.3061



17.9031, 20.2208, 19.7928



18.9732, 37.4859, 7.7440



1.8816, 3.6635, 0.9341

Inverse Universe

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



53.0734, 26.1150, 63.8689



52.8421, 25.9008, 63.0258



43.1475, 22.1447, 11.5997



18.6462, 18.2418, 22.0200



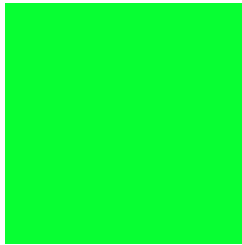
27.6615, 13.5539, 33.1976



2.7279, 1.3335, 3.4144

Previews

White Background



This preview shows how the XYZ color 36.4452, 71.8042, 15.0707 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 36.4452, 71.8042, 15.0707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

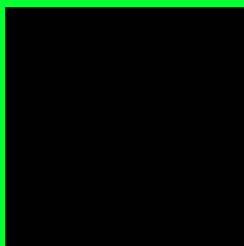
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4452, 71.8042, 15.0707

Background



This preview shows how black text looks on a background with the XYZ color 36.4452, 71.8042, 15.0707.

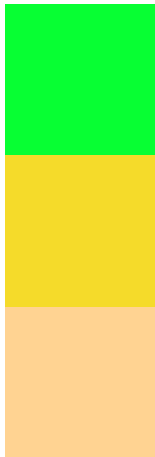


This preview shows how white text looks on a background with the XYZ color 36.4452, 71.8042,

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

36.4452, 71.8042, 15.0707

Protanopia

63.4056, 70.2427, 12.4068

Deuteranopia

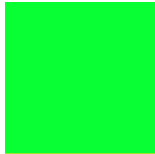
69.7226, 69.9239, 37.0160



Tritanopia

55.4044, 71.4332, 105.4756

Trichromacy



Original Color

36.4452, 71.8042, 15.0707



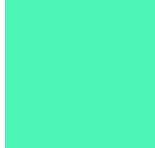
Protanomaly

43.4308, 65.1718, 12.7730



Deuteranomaly

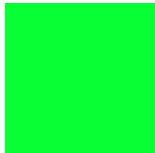
45.8554, 64.0852, 24.9918



Tritanomaly

43.6717, 69.5741, 54.8435

Monochromacy



Original Color

36.4452, 71.8042, 15.0707



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

27.9933, 42.3554, 24.1528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4452, 71.8042, 15.0707 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(7, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(7, 255, 51)  
}
```

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(7, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 36.4452, 71.8042, 15.0707 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(7, 255, 51) }
```


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

```
.border{ border-color:rgb(7, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(7, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(7, 255, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.4452, 71.8042, 15.0707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 255, 51) }
```

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

```
.background{ background-color: rgb(7, 255,  
51) }
```

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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