

Converting Colors

XYZ(36.4559, 71.7984, 15.5843)

Have a look what the booklet for
XYZ(36.4559, 71.7984, 15.5843)
contains.

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Color

**XYZ(36.4496, 71.7958,
15.5513)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF37
RGB	0, 255, 55
RGB Percent	0%, 100%, 22%
CMY	1.0000, 0.0000, 0.7843
CMYK	1.00, 0.00, 0.78, 0.00
HSL	133°, 100%, 50%
HSV	133°, 100%, 100%
XYZ	36.4496, 71.7958, 15.5513
YIQ	155.9550, -87.7800, -116.2600

Conversions

Conversions Part 2

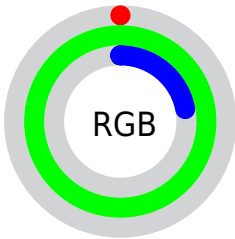
Format	Color
RYB	0, 210, 255
Decimal	65335
CIELab	87.87, -84.45, 74.54
CIELCh	88, 112.645, 138.567
Yxy	71.7958, 0.2944, 0.5799
Android (android.graphics.Color)	4278255415 (0xFF00FF37)
YUV	155.9550, -49.7708, -136.7725
Hunter-Lab	84.7324, -71.4958, 48.4309

Details

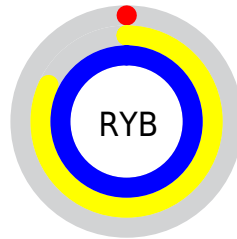
The XYZ color **36.4496, 71.7958, 15.5513** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **51.6651, 25.4301, 56.8274**, and the grayscale version is **31.8243, 33.4816, 36.4615**.

A 20% lighter version of the original color is **46.5786, 76.7263, 29.1843**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.4497, 71.7959, 15.5518**, and if you desaturate by 10%, it is **37.4438, 72.2413, 18.6286**.

Distribution



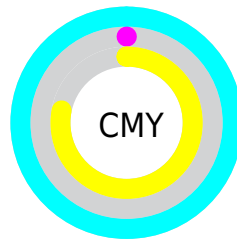
- Red (0%)
- Green (100%)
- Blue (22%)



- Red (0%)
- Yellow (82%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4496, 71.7958, 15.5513 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 36.4496, 71.7958, 15.5513 by changing the saturation by 10% instead.


 36.4496, 71.7958,
15.5513


 36.4496, 71.7958,
15.5513


322.3185,
466.8305, 238.4339


 24.9533, 52.9919,
9.0563


 69.0448, 121.7662,
36.5733

 16.1708, 37.7963,
4.6806


 90.8744, 153.7014,
51.9375


 9.7367, 25.8246,
2.0057


 116.8793,
190.7825, 71.0951

 5.2857, 16.6925,
0.5588

 147.4246,
233.3940, 94.4647

 2.4523, 10.0155,
0.0000

 182.8759,
281.9201, 122.4648

 0.8713, 5.4092,
0.0000

223.5984,

 0.0000, 2.4893,

336.7453, 155.5140

0.0000

269.9574,
398.2540, 194.0309

■ 0.0000, 0.8713,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4496, 71.7958,
15.5513

■ 36.4496, 71.7958,
15.5513

■ 36.4497, 71.7959,
15.5518

■ 37.4438, 72.2413,
18.6286

■ 39.1915, 73.0503,
22.8629

■ 41.8758, 74.3153,
28.3592

■ 45.6139, 76.0946,
35.2080

■ 50.5050, 78.4378,
43.4915

■ 56.6366, 81.3883,
53.2853

■ 64.0875, 84.9854,
64.6595

■ 72.9301, 89.2649,
77.6799

■ 83.2311, 94.2599,
92.4086

Harmonies

Analogous

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



53.1181, 71.7958, 5.1447



36.4496, 71.7958, 15.5513



29.1812, 71.7958, 52.4269

Triad

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



36.4496, 71.7958, 15.5513



58.5304, 71.7958, 330.2174



129.6374, 71.7958, 39.9829

Complementary

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



36.4496, 71.7958, 15.5513



51.6651, 25.4301, 56.8274

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.



132.1983, 71.7958, 111.2117



36.4496, 71.7958, 15.5513



85.9891, 71.7958, 317.9590

Square

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



36.4496, 71.7958, 15.5513



39.5150, 71.7958, 249.1199



114.5984, 71.7958, 222.0587



108.3144, 71.7958, 11.5346

Rectangle

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



36.4496, 71.7958, 15.5513



28.9279, 71.7958, 102.2703



114.5984, 71.7958, 222.0587



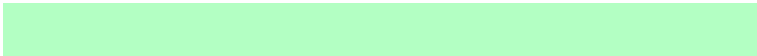
132.8948, 71.7958, 58.1942

Sweetspot

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



36.4499, 71.7960, 15.5525



64.0855, 84.9844, 64.6564



60.6622, 84.3576, 13.0856



13.0091, 17.8482, 12.7705



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.



36.4499, 71.7960, 15.5525



36.4497, 71.7959, 15.5518



43.8465, 74.7546, 54.5023



17.9319, 20.2323, 19.9443



19.0900, 37.5326, 8.3594



1.8969, 3.6697, 1.0150

Inverse Universe

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



51.6651, 25.4301, 56.8274



51.6649, 25.4299, 56.8266



42.5622, 21.7890, 8.8922



18.6150, 18.2293, 21.8558



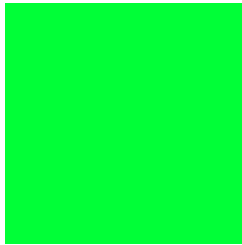
27.0536, 13.3107, 29.9962



2.6738, 1.3119, 3.1298

Previews

White Background



This preview shows how the XYZ color 36.4496, 71.7958, 15.5513 looks on a white background.

Color Contrast Check

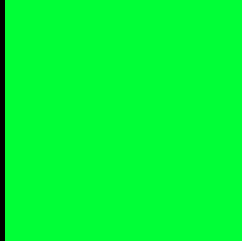
Large Text (above 18pt) WCAG AA × Fail

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 36.4496, 71.7958, 15.5513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

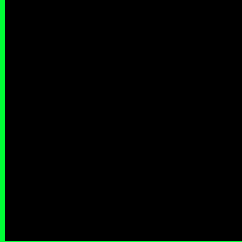
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

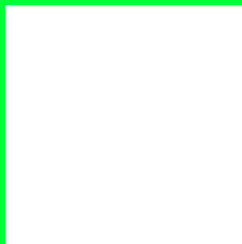
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4496, 71.7958, 15.5513

Background



This preview shows how black text looks on a background with the XYZ color 36.4496, 71.7958, 15.5513.

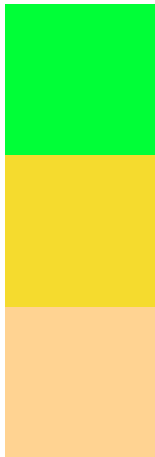


This preview shows how white text looks on a background with the XYZ color 36.4496, 71.7958,

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

36.4496, 71.7958, 15.5513

Protanopia

63.4808, 70.2728, 12.8030

Deuteranopia

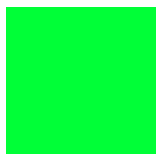
69.7226, 69.9239, 37.0160



Tritanopia

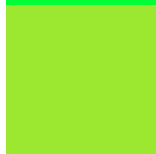
55.4044, 71.4332, 105.4756

Trichromacy



Original Color

36.4496, 71.7958, 15.5513



Protanomaly

43.1213, 65.0029, 13.1798



Deuteranomaly

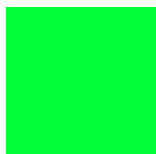
45.3500, 63.8118, 25.5495



Tritanomaly

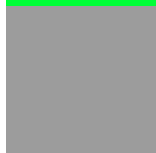
43.5418, 69.4952, 55.3750

Monochromacy



Original Color

36.4496, 71.7958, 15.5513



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.3250, 41.6838, 24.0584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4496, 71.7958, 15.5513 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, 55)` looks like.

```
.text, #text, p{  
  color:rgb(0, 255, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 55) }
```

Border

The CSS property to change the border of an element to XYZ 36.4496, 71.7958, 15.5513 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, 55) }
```


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

```
.border{ border-color:rgb(0, 255, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.4496, 71.7958, 15.5513 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, 55) }
```

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

```
.background{ background-color: rgb(0, 255,  
55) }
```

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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