

Converting Colors

XYZ(36.7270, 70.3022, 15.4897)

Have a look what the booklet for
XYZ(36.7270, 70.3022, 15.4897)
contains.

XYZ(36.8643, 70.5943, 15.5540)	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(36.8643, 70.5943,
15.5540)**

Conversions

Conversions Part 1

Format	Color
Hex	32FC39
RGB	50, 252, 57
RGB Percent	20%, 99%, 22%
CMY	0.8039, 0.0117, 0.7764
CMYK	0.80, 0.00, 0.77, 0.01
HSL	122°, 97%, 59%
HSV	122°, 80%, 99%
XYZ	36.8643, 70.5943, 15.5540
YIQ	169.3720, -57.7970, -103.4690

Conversions

Conversions Part 2

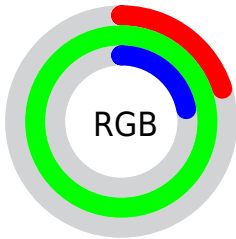
Format	Color
RYB	50, 245, 252
Decimal	3341369
CIELab	87.29, -80.57, 73.53
CIELCh	87, 109.079, 137.615
Yxy	70.5943, 0.2997, 0.5739
Android (android.graphics.Color)	4281531449 (0xFF32FC39)
YUV	169.3720, -55.3994, -104.6892
Hunter-Lab	84.0204, -68.7181, 47.8384

Details

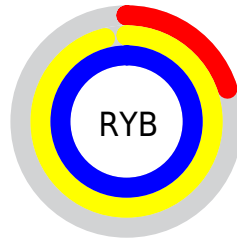
The XYZ color **36.8643, 70.5943, 15.5540** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **57.7680, 29.5699, 89.0463**, and the grayscale version is **38.1849, 40.1735, 43.7490**.

A 20% lighter version of the original color is **48.5457, 77.7335, 29.5850**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **35.4779, 69.9358, 13.0447**, and if you desaturate by 10%, it is **39.2270, 71.7267, 19.6277**.

Distribution



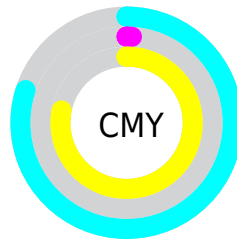
- Red (20%)
- Green (99%)
- Blue (22%)



- Red (20%)
- Yellow (96%)
- Blue (99%)



- Cyan (80%)
- Magenta (0%)
- Yellow (77%)
- Black (1%)





- Cyan (80%)
- Magenta (1%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8643, 70.5943, 15.5540 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 36.8643, 70.5943, 15.5540 by changing the saturation by 10% instead.


 36.8643, 70.5943,
15.5540


 36.8643, 70.5943,
15.5540


324.0884,
462.6340, 238.4506


 25.2756, 52.0112,
9.0582


 69.6792, 120.0559,
36.5781

 16.4124, 37.0140,
4.6818


 91.6362, 151.7031,
51.9435

 9.9091, 25.2183,
2.0064


 117.7799,
188.4739, 71.1025

 5.4005, 16.2398,
0.5592

 148.4759,
230.7525, 94.4737

 2.5213, 9.6940,
0.0000

 184.0893,
278.9235, 122.4755

 0.9060, 5.1965,
0.0000

224.9857,

 0.0000, 2.3630,

333.3711, 155.5266

0.0000

271.5302,
394.4798, 194.0454

0.0000, 0.8068,
0.0000

0.0000, 0.0000,
0.0000

36.8643, 70.5943,
15.5540

36.8643, 70.5943,
15.5540

35.4779, 69.9358,
13.0447


39.2270, 71.7267,
19.6277


34.8597, 69.6428,
11.8562


42.6958, 73.3895,
25.4587


47.3858, 75.6404,
33.2171


53.3965, 78.5276,
43.0518

 60.8172, 82.0941,
55.0972

 69.7293, 86.3795,
69.4762

 80.2080, 91.4199,
86.3028

 92.3237, 97.2493,
105.6834

 94.1018, 98.1036,
108.5839

Harmonies

Analogous

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



53.2524, 70.5943, 5.5414



36.8643, 70.5943, 15.5540



29.5349, 70.5943, 50.3759

Triad

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



36.8643, 70.5943, 15.5540



57.0658, 70.5943, 313.8190



125.9357, 70.5943, 41.5556

Complementary

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



36.8643, 70.5943, 15.5540



57.7680, 29.5699, 89.0463

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.



127.7160, 70.5943, 111.3147



36.8643, 70.5943, 15.5540



83.1562, 70.5943, 305.3759

Square

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



36.8643, 70.5943, 15.5540



39.0401, 70.5943, 235.5120



110.5161, 70.5943, 216.8073



106.1377, 70.5943, 12.6199

Rectangle

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



36.8643, 70.5943, 15.5540



29.1243, 70.5943, 97.1418



110.5161, 70.5943, 216.8073



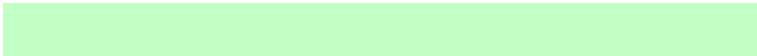
128.8140, 70.5943, 59.6268

Sweetspot

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



36.8660, 70.5972, 15.5556



67.9119, 86.9449, 65.3814



73.1384, 89.3152, 16.4024



13.8452, 18.2777, 12.8794



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.



36.8660, 70.5972, 15.5556



36.0026, 71.6318, 12.5312



42.2761, 72.7613, 44.0449



17.0418, 19.3190, 18.4206



18.1690, 36.2806, 6.2332



1.6911, 3.3635, 0.6211

Inverse Universe

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



57.7680, 29.5699, 89.0463



58.0633, 28.1665, 89.9741



46.3418, 24.9994, 28.8764



17.9655, 17.5136, 21.6741



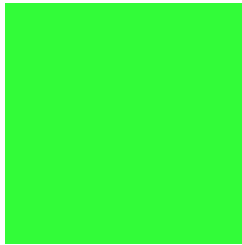
29.3713, 14.1642, 45.5252



2.7282, 1.3150, 4.2582

Previews

White Background



This preview shows how the XYZ color 36.8643, 70.5943, 15.5540 looks on a white background.

Color Contrast Check

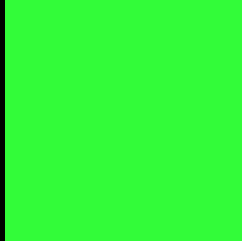
Large Text (above 18pt) WCAG AA × Fail

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 36.8643, 70.5943, 15.5540 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 36.8643, 70.5943, 15.5540

Background



This preview shows how black text looks on a background with the XYZ color 36.8643, 70.5943, 15.5540.

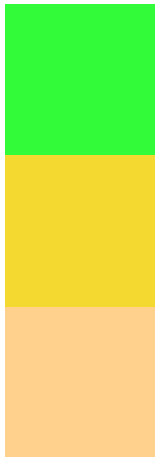


This preview shows how white text looks on a background with the XYZ color 36.8643, 70.5943,

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

36.8643, 70.5943, 15.5540

Protanopia

62.3085, 68.8938, 12.8101

Deuteranopia

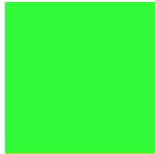
68.7741, 68.7544, 34.4571



Tritanopia

54.4078, 70.0831, 104.4257

Trichromacy



Original Color

36.8643, 70.5943, 15.5540



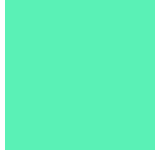
Protanomaly

46.1279, 65.7169, 13.3854



Deuteranomaly

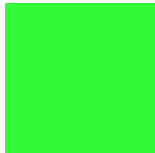
48.5621, 64.6795, 24.6768



Tritanomaly

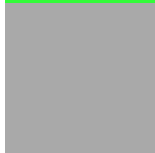
44.1152, 68.4617, 55.1453

Monochromacy



Original Color

36.8643, 70.5943, 15.5540



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

32.9239, 46.8410, 27.7280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8643, 70.5943, 15.5540 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(50, 252, 57)` looks like.

```
.text, #text, p{  
    color:rgb(50, 252, 57)  
}
```

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(50, 252, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 252, 57) }
```

Border

The CSS property to change the border of an element to XYZ 36.8643, 70.5943, 15.5540 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(50, 252, 57) }
```


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

```
.border{ border-color:rgb(50, 252, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 252, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 252, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 252, 57);  
box-shadow:4px 4px 4px 4px rgb(50, 252,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8643, 70.5943, 15.5540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 252, 57) }
```

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

```
.background{ background-color: rgb(50, 252,  
57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor