

Converting Colors

XYZ(36.9307, 70.2494, 11.6273)

Have a look what the booklet for
XYZ(36.9307, 70.2494, 11.6273)
contains.

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Color

**XYZ(36.9569, 70.2618,
11.6428)**

Conversions

Conversions Part 1

Format	Color
Hex	45FB01
RGB	69, 251, 1
RGB Percent	27%, 98%, 0%
CMY	0.7294, 0.0157, 0.9959
CMYK	0.73, 0.00, 1.00, 0.02
HSL	104°, 99%, 49%
HSV	104°, 100%, 98%
XYZ	36.9569, 70.2618, 11.6428
YIQ	168.0820, -28.2220, -116.3340

Conversions

Conversions Part 2

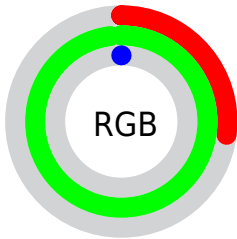
Format	Color
R_{YB}	1, 251, 183
Decimal	4586241
CIE Lab	87.13, -79.56, 82.87
CIE LCh	87, 114.885, 133.833
Yxy	70.2618, 0.3109, 0.5911
Android (android.graphics.Color)	4282776321 (0xFF45FB01)
YUV	168.0820, -82.3714, -86.8949
Hunter-Lab	83.8223, -67.9892, 50.4403

Details

The XYZ color **36.9569, 70.2618, 11.6428** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **36.9636, 17.0606, 92.6155**, and the grayscale version is **37.6655, 39.6271, 43.1539**.

A 20% lighter version of the original color is **49.1934, 78.2220, 22.6308**, and **19.0700, 38.1399, 6.3567** is the 20% darker color. If you saturate the color by 10%, you get **36.8995, 70.2350, 11.6119**, and if you desaturate by 10%, it is **38.6429, 71.1120, 12.6748**.

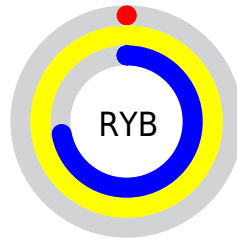
Distribution



Red (27%)

Green (98%)

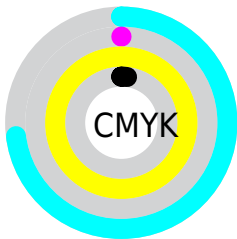
Blue (0%)



Red (0%)

Yellow (98%)

Blue (72%)

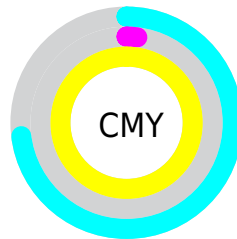


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (73%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9569, 70.2618, 11.6428 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 36.9569, 70.2618, 11.6428 by changing the saturation by 10% instead.


 36.9569, 70.2618,
11.6428


 36.9569, 70.2618,
11.6428


324.4827,
461.4687, 212.9193

 25.3476, 51.7400,
6.3814


 69.8208, 119.5820,
29.4974

 16.4664, 36.7979,
3.0058


 91.8061, 151.1492,
42.9277


 9.9477, 25.0510,
1.0976


 117.9808,
187.8337, 59.9181

 5.4263, 16.1151,
0.0000

 148.7102,
230.0198, 80.8870

 2.5368, 9.6056,
0.0000

 184.3598,
278.0920, 106.2530

 0.9138, 5.1383,
0.0000

 225.2948,

 0.0000, 2.3286,

332.4346, 136.4347

0.0000

271.8806,
393.4320, 171.8506

■ 0.0000, 0.7888,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9569, 70.2618,
11.6428

■ 36.9569, 70.2618,
11.6428

■ 36.8995, 70.2350,
11.6119

■ 38.6429, 71.1120,
12.6748

■ 40.9922, 72.2752,
14.9498

■ 44.1023, 73.7961,
18.8193

■ 48.0424, 75.7055,
24.5060

■ 52.8729, 78.0305,
32.1970

■ 58.6479, 80.7954,
42.0561

■ 65.4171, 84.0226,
54.2305

■ 73.2263, 87.7328,
68.8541

■ 82.1187, 91.9456,
86.0510

Harmonies

Analogous

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



55.1509, 70.2618, 3.9574



36.9569, 70.2618, 11.6428



28.3730, 70.2618, 42.1950

Triad

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



36.9569, 70.2618, 11.6428



53.3766, 70.2618, 325.6080



130.7336, 70.2618, 46.2428

Complementary

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



36.9569, 70.2618, 11.6428



36.9636, 17.0606, 92.6155

Split Complementary

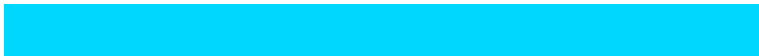
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



129.8811, 70.2618, 125.6689



36.9569, 70.2618, 11.6428



79.9426, 70.2618, 329.7320

Square

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



36.9569, 70.2618, 11.6428



35.9605, 70.2618, 232.0188



109.4443, 70.2618, 241.0853



111.5309, 70.2618, 12.9035

Rectangle

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



36.9569, 70.2618, 11.6428



27.2951, 70.2618, 86.8502



109.4443, 70.2618, 241.0853



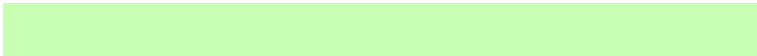
132.9145, 70.2618, 67.0124

Sweetspot

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



36.9585, 70.2647, 11.6444



67.4787, 86.9375, 55.6073



56.1489, 53.2280, 7.3445



13.7861, 18.2952, 10.7078



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.



36.9585, 70.2647, 11.6444



38.2377, 72.7973, 12.0360



35.2060, 69.2817, 15.1565



17.4601, 19.5375, 18.3133



19.5137, 36.9780, 6.1090



1.9042, 3.4747, 0.5703

Inverse Universe

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



36.9636, 17.0606, 92.6155



38.2198, 17.6179, 95.9939



49.8570, 24.5568, 54.8427



17.5058, 17.2734, 21.7967



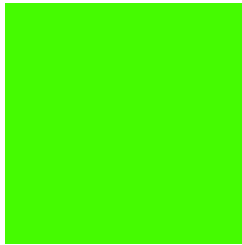
19.5344, 9.0130, 48.6837



1.9107, 0.8871, 4.5137

Previews

White Background



This preview shows how the XYZ color 36.9569, 70.2618, 11.6428 looks on a white background.

Color Contrast Check

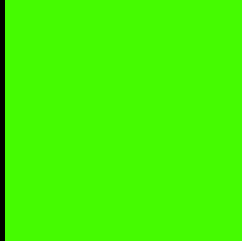
Large Text (above 18pt) WCAG AA × Fail

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 36.9569, 70.2618, 11.6428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

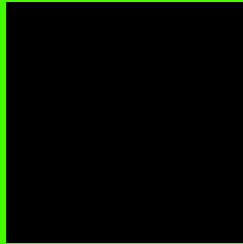
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9569, 70.2618, 11.6428

Background



This preview shows how black text looks on a background with the XYZ color 36.9569, 70.2618, 11.6428.



This preview shows how white text looks on a background with the XYZ color 36.9569, 70.2618,

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

36.9569, 70.2618, 11.6428

Protanopia

62.1211, 68.8588, 10.0169

Deuteranopia

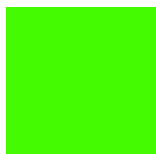
68.4844, 68.6385, 32.9316



Tritanopia

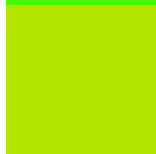
54.8780, 69.5171, 102.6212

Trichromacy



Original Color

36.9569, 70.2618, 11.6428



Protanomaly

46.8417, 65.7419, 10.2206



Deuteranomaly

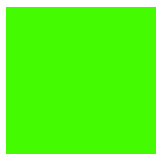
48.8695, 64.5642, 18.9033



Tritanomaly

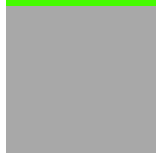
43.1866, 67.7769, 44.5243

Monochromacy



Original Color

36.9569, 70.2618, 11.6428



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.3636, 46.3552, 21.1516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9569, 70.2618, 11.6428 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(69, 251, 1)` looks like.

```
.text, #text, p{  
    color:rgb(69, 251, 1)  
}
```

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(69, 251, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 251, 1) }
```

Border

The CSS property to change the border of an element to XYZ 36.9569, 70.2618, 11.6428 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(69, 251, 1) }
```


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

```
.border{ border-color:rgb(69, 251, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 251, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 251, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 251, 1);  
box-shadow:4px 4px 4px 4px rgb(69, 251, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.9569, 70.2618, 11.6428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 251, 1) }
```

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

```
.background{ background-color: rgb(69, 251,  
1) }
```

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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