

Converting Colors

XYZ(35.3778, 69.4318, 11.6341)

Have a look what the booklet for
XYZ(35.3778, 69.4318, 11.6341)
contains.

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Color

**XYZ(35.3887, 69.4521,
11.6266)**

Conversions

Conversions Part 1

Format	Color
Hex	28FB03
RGB	40, 251, 3
RGB Percent	16%, 98%, 1%
CMY	0.8431, 0.0157, 0.9881
CMYK	0.84, 0.00, 0.99, 0.02
HSL	111°, 98%, 50%
HSV	111°, 99%, 98%
XYZ	35.3887, 69.4521, 11.6266
YIQ	159.6390, -46.1480, -121.8600

Conversions

Conversions Part 2

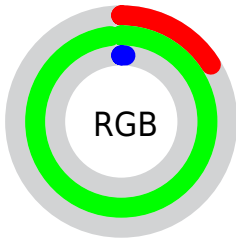
Format	Color
RYB	3, 251, 214
Decimal	2685699
CIELab	86.73, -83.09, 82.23
CIELCh	87, 116.899, 135.296
Yxy	69.4521, 0.3039, 0.5963
Android (android.graphics.Color)	4280875779 (0xFF28FB03)
YUV	159.6390, -77.2230, -104.9234
Hunter-Lab	83.3379, -70.0430, 50.0649

Details

The XYZ color **35.3887, 69.4521, 11.6266** 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 **45.1908, 21.3341, 93.0067**, and the grayscale version is **33.6102, 35.3605, 38.5076**.

A 20% lighter version of the original color is **46.5939, 76.8819, 22.5092**, and **19.0700, 38.1399, 6.3567** is the 20% darker color. If you saturate the color by 10%, you get **35.2765, 69.3982, 11.5359**, and if you desaturate by 10%, it is **36.6565, 70.0853, 12.7032**.

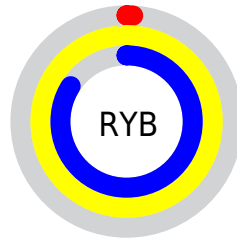
Distribution



Red (16%)

Green (98%)

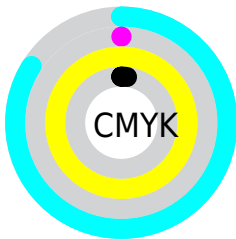
Blue (1%)



Red (1%)

Yellow (98%)

Blue (84%)

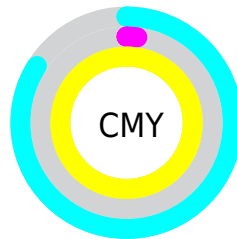


Cyan (84%)

Magenta (0%)

Yellow (99%)

Black (2%)



Cyan (84%)


Magenta (2%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3887, 69.4521, 11.6266 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 35.3887, 69.4521, 11.6266 by changing the saturation by 10% instead.


 35.3887, 69.4521,
11.6266


 35.3887, 69.4521,
11.6266


317.7588,
458.6239, 212.8068


 24.1304, 51.0800,
6.3705


 67.4176, 118.4271,
29.4673

 15.5556, 36.2723,
2.9993


 88.9188, 149.7987,
42.8891


 9.2991, 24.6445,
1.0943


 114.5650,
186.2724, 59.8698

 4.9954, 15.8124,
0.0000

 144.7216,
228.2324, 80.8280

 2.2793, 9.3915,
0.0000

 179.7539,
276.0631, 106.1823

 0.7841, 4.9974,
0.0000

 220.0273,

 0.0000, 2.2458,

330.1490, 136.3511

0.0000

265.9071,
390.8745, 171.7531

■ 0.0000, 0.7448,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.3887, 69.4521,
11.6266

■ 35.3887, 69.4521,
11.6266

■ 35.2765, 69.3982,
11.5359

■ 36.6565, 70.0853,
12.7032

■ 38.6892, 71.0827,
15.0784

■ 41.6038, 72.4998,
19.0730

■ 45.4902, 74.3782,
24.9071

■ 50.4265, 76.7541,
32.7666

■ 56.4828, 79.6601,
42.8146

■ 63.7230, 83.1260,
55.1976

■ 72.2062, 87.1793,
70.0494

■ 81.9874, 91.8458,
87.4938

Harmonies

Analogous

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



53.1578, 69.4521, 3.6281



35.3887, 69.4521, 11.6266



27.2560, 69.4521, 43.6271

Triad

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



35.3887, 69.4521, 11.6266



53.6110, 69.4521, 332.5872



130.3753, 69.4521, 42.5991

Complementary

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



35.3887, 69.4521, 11.6266



45.1908, 21.3341, 93.0067

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.



130.5957, 69.4521, 120.3500



35.3887, 69.4521, 11.6266



80.7877, 69.4521, 331.5128

Square

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



35.3887, 69.4521, 11.6266



35.6415, 69.4521, 239.7762



110.5813, 69.4521, 237.4216



110.0430, 69.4521, 11.3153

Rectangle

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



35.3887, 69.4521, 11.6266



26.4387, 69.4521, 90.3017



110.5813, 69.4521, 237.4216



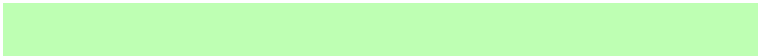
132.9563, 69.4521, 62.6254

Sweetspot

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



35.3903, 69.4550, 11.6282



65.0571, 85.6891, 55.4940



63.8004, 68.5136, 9.9491



13.2284, 18.0077, 10.6817



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.



35.3903, 69.4550, 11.6282



36.5597, 71.9322, 11.9574



36.3748, 69.7521, 21.1806



17.2581, 19.4333, 18.3038



18.6155, 36.5149, 6.0669



1.7936, 3.4177, 0.5652

Inverse Universe

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



45.1908, 21.3341, 93.0067



46.6626, 21.9704, 96.3890



46.5387, 23.2642, 37.2622



17.7239, 17.3858, 21.8069



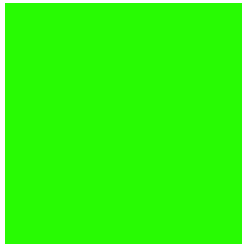
23.7649, 11.1939, 48.8816



2.2679, 1.0712, 4.5304

Previews

White Background



This preview shows how the XYZ color 35.3887, 69.4521, 11.6266 looks on a white background.

Color Contrast Check

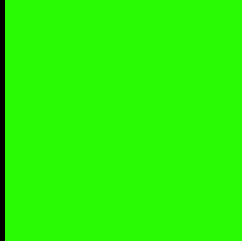
Large Text (above 18pt) WCAG AA × Fail

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 35.3887, 69.4521, 11.6266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

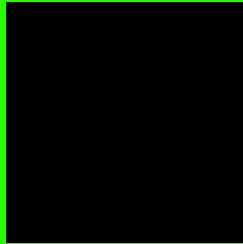
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.3887, 69.4521, 11.6266

Background



This preview shows how black text looks on a background with the XYZ color 35.3887, 69.4521, 11.6266.



This preview shows how white text looks on a background with the XYZ color 35.3887, 69.4521,

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

35.3887, 69.4521, 11.6266

Protanopia

60.9184, 67.4781, 9.8138

Deuteranopia

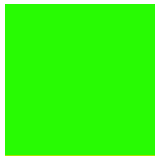
67.6496, 67.5243, 30.9407



Tritanopia

53.2651, 68.6856, 102.5457

Trichromacy



Original Color

35.3887, 69.4521, 11.6266



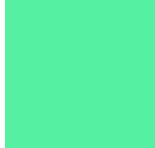
Protanomaly

44.1111, 63.9240, 10.0424



Deuteranomaly

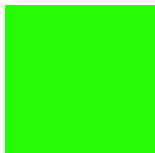
46.1194, 62.7626, 18.0711



Tritanomaly

41.3394, 66.8247, 44.4379

Monochromacy



Original Color

35.3887, 69.4521, 11.6266



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

28.7206, 42.8322, 19.5857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3887, 69.4521, 11.6266 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(40, 251, 3)` looks like.

```
.text, #text, p{  
    color:rgb(40, 251, 3)  
}
```

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(40, 251, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 251, 3) }
```

Border

The CSS property to change the border of an element to XYZ 35.3887, 69.4521, 11.6266 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(40, 251, 3) }
```


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

```
.border{ border-color:rgb(40, 251, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 251, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 251, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 251, 3);  
box-shadow:4px 4px 4px 4px rgb(40, 251, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.3887, 69.4521, 11.6266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 251, 3) }
```

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

```
.background{ background-color: rgb(40, 251,  
3) }
```

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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