

Converting Colors

XYZ(35.8680, 69.2450, 16.6450)

Have a look what the booklet for
XYZ(35.8680, 69.2450, 16.6450)
contains.

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Color

**XYZ(35.7962, 69.0879,
16.6029)**

Conversions

Conversions Part 1

Format	Color
Hex	21FA42
RGB	33, 250, 66
RGB Percent	13%, 98%, 26%
CMY	0.8706, 0.0196, 0.7411
CMYK	0.87, 0.00, 0.74, 0.02
HSL	129°, 96%, 55%
HSV	129°, 87%, 98%
XYZ	35.7962, 69.0879, 16.6029
YIQ	164.1410, -70.2680, -103.2280

Conversions

Conversions Part 2

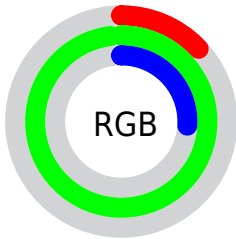
Format	Color
RYB	33, 221, 250
Decimal	2226754
CIELab	86.55, -80.94, 69.96
CIELCh	87, 106.979, 139.161
Yxy	69.0879, 0.2947, 0.5687
Android (android.graphics.Color)	4280416834 (0xFF21FA42)
YUV	164.1410, -48.3835, -115.0107
Hunter-Lab	83.1191, -68.5854, 46.3403

Details

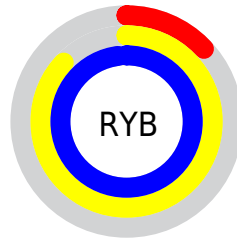
The XYZ color **35.7962, 69.0879, 16.6029** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **52.4942, 26.4224, 67.9788**, and the grayscale version is **35.6029, 37.4570, 40.7907**.

A 20% lighter version of the original color is **47.7739, 77.2858, 31.8017**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.7571, 68.6136, 13.8753**, and if you desaturate by 10%, it is **37.6608, 69.9651, 20.5805**.

Distribution



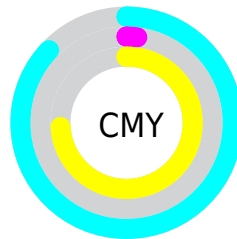
- Red (13%)
- Green (98%)
- Blue (26%)



- Red (13%)
- Yellow (87%)
- Blue (98%)



- Cyan (87%)
- Magenta (0%)
- Yellow (74%)
- Black (2%)





- Cyan (87%)
- Magenta (2%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7962, 69.0879, 16.6029 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 35.7962, 69.0879, 16.6029 by changing the saturation by 10% instead.


 35.7962, 69.0879,
16.6029


 35.7962, 69.0879,
16.6029


319.5157,
457.3409, 244.8395


 24.4462, 50.7833,
9.7928


 68.0433, 117.9071,
38.4230

 15.7915, 36.0362,
5.1580


 89.6712, 149.1905,
54.2701


 9.4666, 24.4621,
2.2799


 115.4557,
185.5690, 73.9666

 5.1063, 15.6768,
0.7199

 145.7622,
227.4269, 97.9311

 2.3452, 9.2957,
0.0000

 180.9561,
275.1486, 126.5821

 0.8176, 4.9346,
0.0000

221.4028,

 0.0000, 2.2089,

329.1186, 160.3381

0.0000

267.4675,
389.7213, 199.6177

■ 0.0000, 0.7249,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7962, 69.0879,
16.6029

■ 35.7962, 69.0879,
16.6029

■ 34.7571, 68.6136,
13.8753


■ 37.6608, 69.9651,
20.5805


■ 34.5372, 68.5140,
13.2400


■ 40.4828, 71.3044,
25.9296


■ 44.3743, 73.1633,
32.7622


■ 49.4301, 75.5887,
41.1776

 55.7346, 78.6220,
51.2664

 63.3641, 82.3008,
63.1124

 72.3889, 86.6598,
76.7937

 82.8742, 91.7310,
92.3838

 93.4770, 96.8540,
108.3757

Harmonies

Analogous

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



51.2266, 69.0879, 5.9167



35.7962, 69.0879, 16.6029



29.0873, 69.0879, 52.3589

Triad

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



35.7962, 69.0879, 16.6029



57.1022, 69.0879, 304.8242



121.7840, 69.0879, 38.7175

Complementary

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



35.7962, 69.0879, 16.6029



52.4942, 26.4224, 67.9788

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.



124.5076, 69.0879, 103.9339



35.7962, 69.0879, 16.6029



82.5918, 69.0879, 291.9720

Square

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



35.7962, 69.0879, 16.6029



39.1617, 69.0879, 233.0373



108.7456, 69.0879, 204.5081



102.0394, 69.0879, 11.9929

Rectangle

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



35.7962, 69.0879, 16.6029



28.9467, 69.0879, 99.1276



108.7456, 69.0879, 204.5081



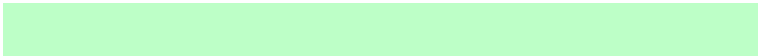
124.8792, 69.0879, 55.5113

Sweetspot

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



35.7978, 69.0908, 16.6045



66.9556, 86.4140, 67.0520



63.2120, 83.3052, 14.1869



13.6960, 18.1896, 13.3756



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.



35.7978, 69.0908, 16.6045



36.1226, 71.6651, 13.8296



42.4595, 71.7554, 51.6842



17.1250, 19.3523, 18.8586



18.3512, 36.3535, 7.1928



1.7304, 3.3793, 0.8284

Inverse Universe

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



52.4942, 26.4224, 67.9788



53.6626, 26.2291, 67.3467



42.7276, 22.5158, 16.5488



17.8729, 17.4765, 21.1865



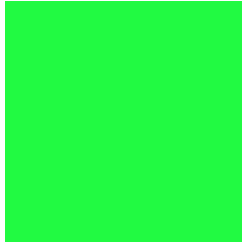
27.2571, 13.3186, 34.3918



2.5542, 1.2454, 3.3418

Previews

White Background



This preview shows how the XYZ color 35.7962, 69.0879, 16.6029 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 35.7962, 69.0879, 16.6029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

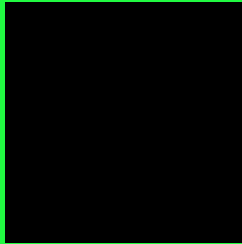
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7962, 69.0879, 16.6029

Background



This preview shows how black text looks on a background with the XYZ color 35.7962, 69.0879, 16.6029.



This preview shows how white text looks on a background with the XYZ color 35.7962, 69.0879,

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

35.7962, 69.0879, 16.6029

Protanopia

61.3146, 67.5971, 13.6868

Deuteranopia

67.4762, 67.0686, 31.2189



Tritanopia

52.7730, 68.4319, 102.5227

Trichromacy



Original Color

35.7962, 69.0879, 16.6029



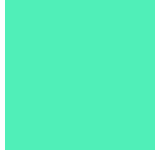
Protanomaly

44.0761, 63.8124, 14.2689



Deuteranomaly

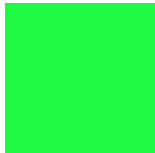
46.2836, 62.3239, 23.7777



Tritanomaly

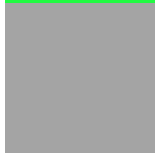
42.8265, 66.8992, 56.0030

Monochromacy



Original Color

35.7962, 69.0879, 16.6029



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

30.6138, 44.3017, 27.3596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7962, 69.0879, 16.6029 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(33, 250, 66)` looks like.

```
.text, #text, p{  
    color:rgb(33, 250, 66)  
}
```

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(33, 250, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 250, 66) }
```

Border

The CSS property to change the border of an element to XYZ 35.7962, 69.0879, 16.6029 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(33, 250, 66) }
```


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

```
.border{ border-color:rgb(33, 250, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 250, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 250, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 250, 66);  
box-shadow:4px 4px 4px 4px rgb(33, 250,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7962, 69.0879, 16.6029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 250, 66) }
```

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

```
.background{ background-color: rgb(33, 250,  
66) }
```

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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