

Converting Colors

XYZ(36.2677, 69.4878, 15.0767)

Have a look what the booklet for
XYZ(36.2677, 69.4878, 15.0767)
contains.

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Color

**XYZ(36.1906, 69.3252,
15.0881)**

Conversions

Conversions Part 1

Format	Color
Hex	32FA37
RGB	50, 250, 55
RGB Percent	20%, 98%, 22%
CMY	0.8039, 0.0196, 0.7843
CMYK	0.80, 0.00, 0.78, 0.02
HSL	122°, 95%, 59%
HSV	122°, 80%, 98%
XYZ	36.1906, 69.3252, 15.0881
YIQ	167.9700, -56.6050, -103.0450

Conversions

Conversions Part 2

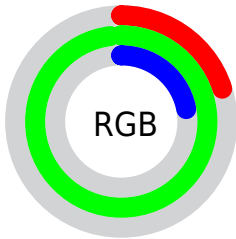
Format	Color
RYB	50, 245, 250
Decimal	3340855
CIELab	86.66, -80.12, 73.51
CIElCh	87, 108.735, 137.463
Yxy	69.3252, 0.3001, 0.5748
Android (android.graphics.Color)	4281530935 (0xFF32FA37)
YUV	167.9700, -55.6942, -103.4597
Hunter-Lab	83.2618, -68.1212, 47.5391

Details

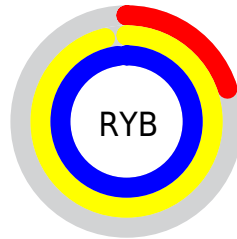
The XYZ color **36.1906, 69.3252, 15.0881** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **57.0474, 29.1984, 89.0122**, and the grayscale version is **37.4913, 39.4437, 42.9542**.

A 20% lighter version of the original color is **48.2725, 77.6062, 28.9583**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.8305, 68.6777, 12.6916**, and if you desaturate by 10%, it is **38.5140, 70.4400, 19.0369**.

Distribution



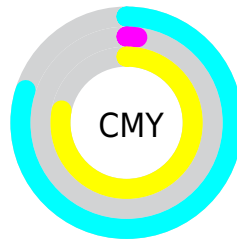
- Red (20%)
- Green (98%)
- Blue (22%)



- Red (20%)
- Yellow (96%)
- Blue (98%)



- Cyan (80%)
- Magenta (0%)
- Yellow (78%)
- Black (2%)





- Cyan (80%)
- Magenta (2%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1906, 69.3252, 15.0881 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 36.1906, 69.3252, 15.0881 by changing the saturation by 10% instead.


 36.1906, 69.3252,
15.0881


 36.1906, 69.3252,
15.0881


321.2096,
458.1771, 235.5580


 24.7522, 50.9766,
8.7339


 68.6481, 118.2459,
35.7521


 16.0203, 36.1900,
4.4736


 90.3979, 149.5869,
50.8991


 9.6295, 24.5810,
1.8886


 116.3156,
186.0274, 69.8141

 5.2143, 15.7651,
0.4855

 146.7666,
227.9518, 92.9156

 2.4096, 9.3581,
0.0000

 182.1161,
275.7446, 120.6222

 0.8499, 4.9755,
0.0000

222.7295,

 0.0000, 2.2329,

329.7902, 153.3524

0.0000

268.9722,
390.4729, 191.5248

■ 0.0000, 0.7378,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1906, 69.3252,
15.0881

■ 36.1906, 69.3252,
15.0881

■ 34.8305, 68.6777,
12.6916


■ 38.5140, 70.4400,
19.0369


■ 34.2213, 68.3878,
11.5763


■ 41.9291, 72.0780,
24.7348


■ 46.5497, 74.2961,
32.3548


■ 52.4741, 77.1419,
42.0479

 59.7907, 80.6579,
53.9499

 68.5799, 84.8829,
68.1853

 78.9161, 89.8528,
84.8693

 90.8687, 95.6011,
104.1093

 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.



52.3642, 69.3252, 5.3568



36.1906, 69.3252, 15.0881



28.9409, 69.3252, 49.1341

Triad

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



36.1906, 69.3252, 15.0881



55.9000, 69.3252, 308.9749



123.9340, 69.3252, 40.9619

Complementary

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



36.1906, 69.3252, 15.0881



57.0474, 29.1984, 89.0122

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.



125.5874, 69.3252, 109.8861



36.1906, 69.3252, 15.0881



81.5684, 69.3252, 301.1254

Square

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



36.1906, 69.3252, 15.0881



38.2064, 69.3252, 231.3770



108.5522, 69.3252, 213.9948



104.4871, 69.3252, 12.3790

Rectangle

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



36.1906, 69.3252, 15.0881



28.5116, 69.3252, 95.0302



108.5522, 69.3252, 213.9948



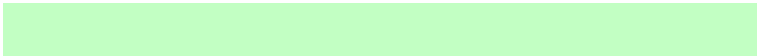
126.7389, 69.3252, 58.8195

Sweetspot

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



36.1922, 69.3281, 15.0897



67.8448, 86.9181, 65.0282



73.0046, 88.3188, 16.2171



13.8297, 18.2714, 12.7977



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.



36.1922, 69.3281, 15.0897



35.9837, 71.6242, 12.4316



41.2800, 71.3632, 41.8814



17.0350, 19.3163, 18.3849



18.1590, 36.2766, 6.1807



1.6878, 3.3622, 0.6040

Inverse Universe

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



57.0474, 29.1984, 89.0122



58.4293, 28.3129, 91.9014



45.8071, 24.7023, 29.8215



17.9732, 17.5166, 21.7145



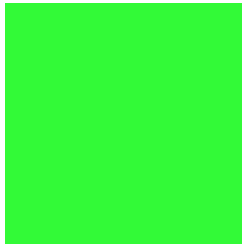
29.5610, 14.2401, 46.5240



2.7436, 1.3212, 4.3394

Previews

White Background



This preview shows how the XYZ color 36.1906, 69.3252, 15.0881 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 36.1906, 69.3252, 15.0881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

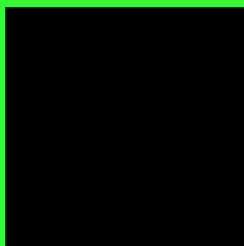
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1906, 69.3252, 15.0881

Background



This preview shows how black text looks on a background with the XYZ color 36.1906, 69.3252, 15.0881.



This preview shows how white text looks on a background with the XYZ color 36.1906, 69.3252,

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

36.1906, 69.3252, 15.0881

Protanopia

61.4115, 67.6754, 12.4107

Deuteranopia

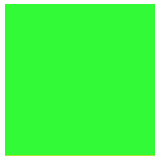
67.7177, 67.5516, 31.2994



Tritanopia

53.5197, 68.8168, 102.5577

Trichromacy



Original Color

36.1906, 69.3252, 15.0881



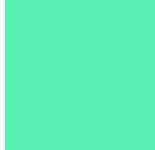
Protanomaly

45.3110, 64.4792, 12.9633



Deuteranomaly

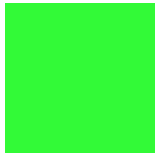
47.7088, 63.4781, 22.8347



Tritanomaly

43.3212, 67.2020, 53.8680

Monochromacy



Original Color

36.1906, 69.3252, 15.0881



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.4823, 46.2804, 27.2997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1906, 69.3252, 15.0881 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, 250, 55)` looks like.

```
.text, #text, p{  
    color:rgb(50, 250, 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(50, 250, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 250, 55) }
```

Border

The CSS property to change the border of an element to XYZ 36.1906, 69.3252, 15.0881 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, 250, 55) }
```


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

```
.border{ border-color:rgb(50, 250, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 250, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 250, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 250, 55);  
box-shadow:4px 4px 4px 4px rgb(50, 250,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1906, 69.3252, 15.0881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 250, 55) }
```

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

```
.background{ background-color: rgb(50, 250,  
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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