

Converting Colors

XYZ(34.6589, 67.1959, 13.3722)

Have a look what the booklet for
XYZ(34.6589, 67.1959, 13.3722)
contains.

XYZ(34.6335, 67.1809, 13.3323)	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(34.6335, 67.1809,
13.3323)**

Conversions

Conversions Part 1

Format	Color
Hex	2AF72A
RGB	42, 247, 42
RGB Percent	16%, 97%, 16%
CMY	0.8353, 0.0314, 0.8353
CMYK	0.83, 0.00, 0.83, 0.03
HSL	120°, 93%, 57%
HSV	120°, 83%, 97%
XYZ	34.6335, 67.1809, 13.3323
YIQ	162.3350, -56.3750, -107.2150

Conversions

Conversions Part 2

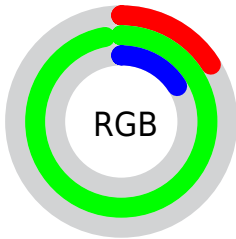
Format	Color
RYB	42, 247, 247
Decimal	2815786
CIELab	85.60, -80.78, 75.85
CIELCh	86, 110.811, 136.804
Yxy	67.1809, 0.3008, 0.5834
Android (android.graphics.Color)	4281005866 (0xFF2AF72A)
YUV	162.3350, -59.3252, -105.5338
Hunter-Lab	81.9640, -68.0126, 47.7306

Details

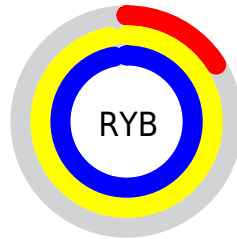
The XYZ color **34.6335, 67.1809, 13.3323** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55.9748, 28.1459, 90.4730**, and the grayscale version is **34.7905, 36.6023, 39.8600**.

A 20% lighter version of the original color is **47.1662, 77.0936, 26.3045**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **33.6023, 66.6876, 11.6442**, and if you desaturate by 10%, it is **36.5608, 68.1087, 16.4841**.

Distribution



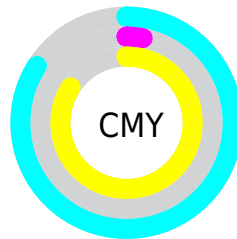
- Red (16%)
- Green (97%)
- Blue (16%)



- Red (16%)
- Yellow (97%)
- Blue (97%)



- Cyan (83%)
- Magenta (0%)
- Yellow (83%)
- Black (3%)





- Cyan (84%)
- Magenta (3%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6335, 67.1809, 13.3323 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 34.6335, 67.1809, 13.3323 by changing the saturation by 10% instead.


 34.6335, 67.1809,
13.3323


 34.6335, 67.1809,
13.3323


314.4841,
450.5884, 224.3186

 23.5459, 49.2317,
7.5244


 66.2554, 115.1796,
32.5994


 15.1200, 34.8033,
3.7088


 87.5204, 145.9978,
46.8956


 8.9905, 23.5114,
1.4670


 112.9085,
181.8745, 64.8584

 4.7921, 14.9716,
0.1931

 142.7852,
223.1940, 86.9061

 2.1593, 8.7994,
0.0000

 177.5157,
270.3408, 113.4575

 0.7211, 4.6106,
0.0000

217.4654,

 0.0000, 2.0206,

323.6992, 144.9310

0.0000

262.9998,
383.6536, 181.7452

■ 0.0000, 0.6194,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6335, 67.1809,
13.3323

■ 34.6335, 67.1809,
13.3323

■ 33.6023, 66.6876,
11.6442


■ 36.5608, 68.1087,
16.4841


■ 33.2622, 66.5242,
11.0877


■ 39.5222, 69.5312,
21.3282


■ 43.6368, 71.5076,
28.0585


■ 49.0064, 74.0869,
36.8416

 55.7216, 77.3126,
47.8256

 63.8648, 81.2242,
61.1450

 73.5116, 85.8580,
76.9237

 84.7323, 91.2479,
95.2768

 92.5521, 95.0042,
108.0674

Harmonies

Analogous

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



50.8399, 67.1809, 4.4876



34.6335, 67.1809, 13.3323



27.3318, 67.1809, 45.8138

Triad

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



34.6335, 67.1809, 13.3323



53.4147, 67.1809, 308.6440



122.4056, 67.1809, 39.9070

Complementary

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



34.6335, 67.1809, 13.3323



55.9748, 28.1459, 90.4730

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.



123.6287, 67.1809, 109.6367



34.6335, 67.1809, 13.3323



78.9173, 67.1809, 302.7743

Square

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



34.6335, 67.1809, 13.3323



36.0888, 67.1809, 228.2040



106.1113, 67.1809, 215.2605



103.1122, 67.1809, 11.4425

Rectangle

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



34.6335, 67.1809, 13.3323



26.8022, 67.1809, 90.8592



106.1113, 67.1809, 215.2605



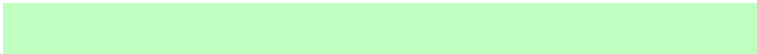
125.0923, 67.1809, 57.9033

Sweetspot

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



34.6351, 67.1837, 13.3338



66.7407, 86.4016, 62.5961



72.0393, 86.4663, 15.0833



13.6117, 18.1700, 12.2965



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.



34.6351, 67.1837, 13.3338



35.7601, 71.5200, 11.9204



39.2895, 69.0455, 37.8436



16.2823, 18.4721, 17.5050



17.5906, 35.1811, 5.8638



1.5461, 3.0921, 0.5154

Inverse Universe

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



55.9748, 28.1459, 90.4730



59.2878, 28.4791, 96.9686



44.2598, 23.4599, 28.7827



17.2137, 16.7683, 20.8717



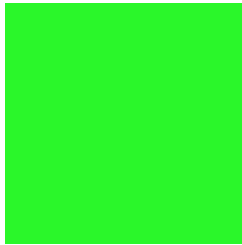
29.1640, 14.0090, 47.6995



2.5632, 1.2313, 4.1924

Previews

White Background



This preview shows how the XYZ color 34.6335, 67.1809, 13.3323 looks on a white background.

Color Contrast Check

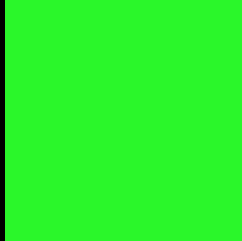
Large Text (above 18pt) WCAG AA × Fail

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 34.6335, 67.1809, 13.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

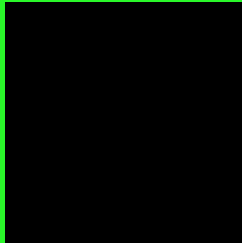
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6335, 67.1809, 13.3323

Background



This preview shows how black text looks on a background with the XYZ color 34.6335, 67.1809, 13.3323.

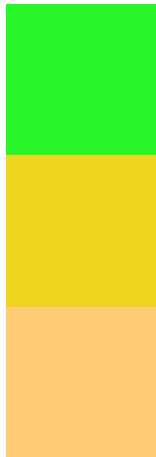


This preview shows how white text looks on a background with the XYZ color 34.6335, 67.1809,

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

34.6335, 67.1809, 13.3323

Protanopia

59.4008, 65.5420, 10.8866

Deuteranopia

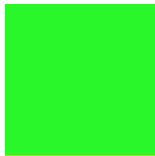
65.8068, 65.2562, 25.9569



Tritanopia

51.7024, 66.6844, 99.7689

Trichromacy



Original Color

34.6335, 67.1809, 13.3323



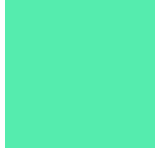
Protanomaly

43.1800, 62.1933, 11.3977



Deuteranomaly

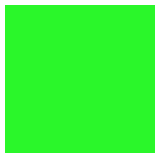
45.5371, 60.8662, 19.0212



Tritanomaly

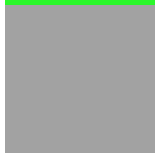
41.3817, 64.9782, 50.4054

Monochromacy



Original Color

34.6335, 67.1809, 13.3323



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

29.8112, 43.2995, 23.9260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6335, 67.1809, 13.3323 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(42, 247, 42)` looks like.

```
.text, #text, p{  
    color:rgb(42, 247, 42)  
}
```

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(42, 247, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 247, 42) }
```

Border

The CSS property to change the border of an element to XYZ 34.6335, 67.1809, 13.3323 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(42, 247, 42) }
```


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

```
.border{ border-color:rgb(42, 247, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 247, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 247, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 247, 42);  
box-shadow:4px 4px 4px 4px rgb(42, 247,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6335, 67.1809, 13.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 247, 42) }
```

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

```
.background{ background-color: rgb(42, 247,  
42) }
```

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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