

Converting Colors

XYZ(34.4138, 68.0068, 12.4677)

Have a look what the booklet for
XYZ(34.4138, 68.0068, 12.4677)
contains.

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Color

**XYZ(34.4067, 67.9995,
12.4742)**

Conversions

Conversions Part 1

Format	Color
Hex	15F91D
RGB	21, 249, 29
RGB Percent	8%, 98%, 11%
CMY	0.9176, 0.0235, 0.8862
CMYK	0.92, 0.00, 0.88, 0.02
HSL	122°, 95%, 53%
HSV	122°, 92%, 98%
XYZ	34.4067, 67.9995, 12.4742
YIQ	155.7480, -65.2680, -116.7560

Conversions

Conversions Part 2

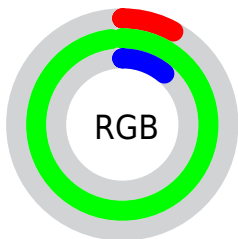
Format	Color
RYB	21, 241, 249
Decimal	1440029
CIELab	86.01, -83.34, 78.74
CIELCh	86, 114.649, 136.626
Yxy	67.9995, 0.2995, 0.5919
Android (android.graphics.Color)	4279630109 (0xFF15F91D)
YUV	155.7480, -62.4868, -118.1740
Hunter-Lab	82.4618, -69.8301, 48.7543

Details

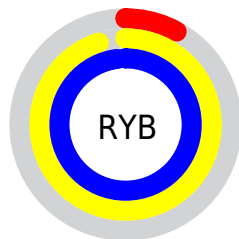
The XYZ color **34.4067, 67.9995, 12.4742** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55.2120, 27.0270, 85.5160**, and the grayscale version is **31.7802, 33.4352, 36.4109**.

A 20% lighter version of the original color is **45.9454, 76.5050, 24.4020**, and **18.6308, 37.2616, 6.2103** is the 20% darker color. If you saturate the color by 10%, you get **33.9250, 67.7733, 11.5449**, and if you desaturate by 10%, it is **35.6428, 68.5901, 14.7338**.

Distribution



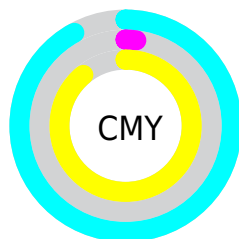
- Red (8%)
- Green (98%)
- Blue (11%)



- Red (8%)
- Yellow (95%)
- Blue (98%)



- Cyan (92%)
- Magenta (0%)
- Yellow (88%)
- Black (2%)




- Cyan (92%)
- Magenta (2%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4067, 67.9995, 12.4742 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 34.4067, 67.9995, 12.4742 by changing the saturation by 10% instead.


 34.4067, 67.9995,
12.4742


 34.4067, 67.9995,
12.4742


313.4958,
453.4942, 218.6080


 23.3706, 49.8973,
6.9410


 65.9057, 116.3514,
31.0331


 14.9896, 35.3318,
3.3474


 87.0993, 147.3700,
44.8959

 8.8983, 23.9186,
1.2746


 112.4095,
183.4628, 62.3723

 4.7315, 15.2732,
0.0409

 142.2015,
225.0142, 83.8810

 2.1237, 9.0114,
0.0000

 176.8408,
272.4087, 109.8403

 0.7021, 4.7486,
0.0000

 216.6928,

 0.0000, 2.1005,

326.0306, 140.6689

0.0000

262.1226,
386.2643, 176.7853

■ 0.0000, 0.6649,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.4067, 67.9995,
12.4742

■ 34.4067, 67.9995,
12.4742


■ 33.9250, 67.7733,
11.5449


■ 35.6428, 68.5901,
14.7338


■ 37.8029, 69.6229,
18.4796

■ 41.0230, 71.1661,
23.9097


■ 45.4156, 73.2740,
31.1906

 51.0788, 75.9940,
40.4691

 58.1006, 79.3686,
51.8769

 66.5610, 83.4366,
65.5348

 76.5337, 88.2334,
81.5545

 88.0876, 93.7925,
100.0401

Harmonies

Analogous

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



51.2182, 67.9995, 3.9159



34.4067, 67.9995, 12.4742



26.8668, 67.9995, 45.3431

Triad

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



34.4067, 67.9995, 12.4742



53.6278, 67.9995, 323.1366



126.1889, 67.9995, 39.8579

Complementary

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



34.4067, 67.9995, 12.4742



55.2120, 27.0270, 85.5160

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.



127.3523, 67.9995, 112.8376



34.4067, 67.9995, 12.4742



80.2033, 67.9995, 317.4914

Square

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



34.4067, 67.9995, 12.4742



35.7563, 67.9995, 237.0391



108.7874, 67.9995, 224.6432



105.9424, 67.9995, 10.7848

Rectangle

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



34.4067, 67.9995, 12.4742



26.2952, 67.9995, 92.0348



108.7874, 67.9995, 224.6432



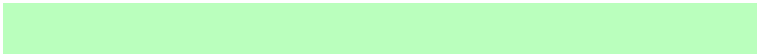
128.9836, 67.9995, 58.5582

Sweetspot

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



34.4083, 68.0023, 12.4757



65.1849, 85.6334, 60.9935



70.4262, 86.5802, 13.7093



13.3237, 18.0269, 12.0391



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.



34.4083, 68.0023, 12.4757



35.8091, 71.5396, 12.1787



39.1141, 69.8847, 37.2564



17.0421, 19.3191, 18.4224



18.1695, 36.2808, 6.2358



1.6912, 3.3636, 0.6219

Inverse Universe

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



55.2120, 27.0270, 85.5160



57.8798, 27.9159, 89.5538



43.1937, 22.2197, 22.2285



17.9651, 17.5134, 21.6721



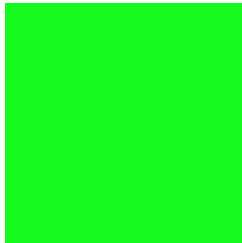
29.3621, 14.1606, 45.4769



2.7275, 1.3147, 4.2542

Previews

White Background



This preview shows how the XYZ color 34.4067, 67.9995, 12.4742 looks on a white background.

Color Contrast Check

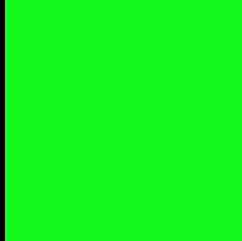
Large Text (above 18pt) WCAG AA × Fail

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 34.4067, 67.9995, 12.4742 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 34.4067, 67.9995, 12.4742

Background



This preview shows how black text looks on a background with the XYZ color 34.4067, 67.9995, 12.4742.



This preview shows how white text looks on a background with the XYZ color 34.4067, 67.9995,

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

34.4067, 67.9995, 12.4742

Protanopia

59.8157, 66.1483, 10.0672

Deuteranopia

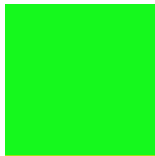
66.5842, 66.3278, 27.7055



Tritanopia

52.0558, 67.6795, 100.7623

Trichromacy



Original Color

34.4067, 67.9995, 12.4742



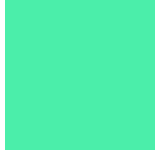
Protanomaly

41.8198, 61.9168, 10.4088



Deuteranomaly

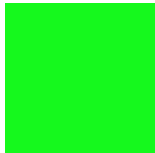
44.1955, 60.9635, 18.6703



Tritanomaly

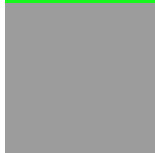
40.7319, 65.5472, 48.5353

Monochromacy



Original Color

34.4067, 67.9995, 12.4742



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.2913, 41.0785, 21.2424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4067, 67.9995, 12.4742 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(21, 249, 29)` looks like.

```
.text, #text, p{  
    color:rgb(21, 249, 29)  
}
```

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(21, 249, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 249, 29) }
```

Border

The CSS property to change the border of an element to XYZ 34.4067, 67.9995, 12.4742 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(21, 249, 29) }
```


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

```
.border{ border-color:rgb(21, 249, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 249, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 249, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 249, 29);  
box-shadow:4px 4px 4px 4px rgb(21, 249,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4067, 67.9995, 12.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 249, 29) }
```

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

```
.background{ background-color: rgb(21, 249,  
29) }
```

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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