

Converting Colors

XYZ(34.4111, 63.7477, 15.8193)

Have a look what the booklet for
XYZ(34.4111, 63.7477, 15.8193)
contains.

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Color

**XYZ(34.4879, 63.9187,
15.8300)**

Conversions

Conversions Part 1

Format	Color
Hex	43F043
RGB	67, 240, 67
RGB Percent	26%, 94%, 26%
CMY	0.7373, 0.0588, 0.7372
CMYK	0.72, 0.00, 0.72, 0.06
HSL	120°, 85%, 60%
HSV	120°, 72%, 94%
XYZ	34.4879, 63.9187, 15.8300
YIQ	168.5510, -47.5750, -90.4790

Conversions

Conversions Part 2

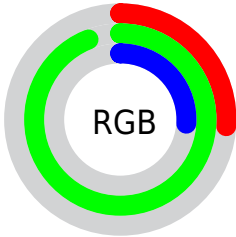
Format	Color
RYB	67, 240, 240
Decimal	4452419
CIELab	83.92, -74.08, 67.12
CIElCh	84, 99.962, 137.823
Yxy	63.9187, 0.3019, 0.5595
Android (android.graphics.Color)	4282642499 (0xFF43F043)
YUV	168.5510, -50.0646, -89.0602
Hunter-Lab	79.9492, -62.9110, 44.2250

Details

The XYZ color **34.4879, 63.9187, 15.8300** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **53.6717, 28.8315, 85.1728**, and the grayscale version is **37.7478, 39.7136, 43.2481**.

A 20% lighter version of the original color is **50.0456, 78.4642, 31.5762**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **32.5938, 63.0108, 12.7306**, and if you desaturate by 10%, it is **37.3644, 65.3023, 20.5341**.

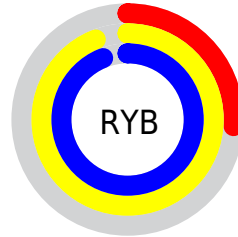
Distribution



Red (26%)

Green (94%)

Blue (26%)



Red (26%)

Yellow (94%)

Blue (94%)

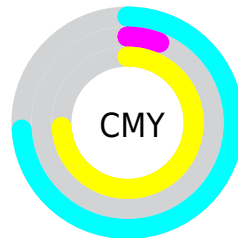


Cyan (72%)

Magenta (0%)

Yellow (72%)

Black (6%)



Cyan (74%)


Magenta (6%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4879, 63.9187, 15.8300 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 34.4879, 63.9187, 15.8300 by changing the saturation by 10% instead.


 34.4879, 63.9187,
15.8300


 34.4879, 63.9187,
15.8300


313.8499,
438.8960, 240.1478

 23.4333, 46.5848,
9.2509


 66.0309, 110.4938,
37.0655


 15.0363, 32.7076,
4.8061


 87.2501, 140.5039,
52.5590

 8.9313, 21.9025,
2.0772


 112.5882,
175.5082, 71.8610

 4.7532, 13.7853,
0.6022

 142.4106,
215.8910, 95.3900

 2.1364, 7.9715,
0.0000

 177.0826,
262.0368, 123.5647

 0.7089, 4.0767,
0.0000

216.9696,

 0.0000, 1.7166,

314.3300, 156.8036

0.0000

262.4369,
373.1549, 195.5251

0.0000, 0.4343,
0.0000

0.0000, 0.0000,
0.0000

34.4879, 63.9187,
15.8300

34.4879, 63.9187,
15.8300

32.5938, 63.0108,
12.7306

37.3644, 65.3023,
20.5341


31.5475, 62.5082,
11.0190


41.3265, 67.2056,
27.0151


31.1614, 62.3228,
10.3874


46.4696, 69.6760,
35.4276

52.8772, 72.7540,
45.9084

 60.6255, 76.4758,
58.5820

 69.7844, 80.8753,
73.5628

 80.4191, 85.9838,
90.9576

 90.4514, 90.8028,
107.3671

Harmonies

Analogous

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



48.7038, 63.9187, 6.2421



34.4879, 63.9187, 15.8300



28.0756, 63.9187, 47.0426

Triad

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



34.4879, 63.9187, 15.8300



52.2598, 63.9187, 267.8757



110.5759, 63.9187, 38.7127

Complementary

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



34.4879, 63.9187, 15.8300



53.6717, 28.8315, 85.1728

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.



112.1911, 63.9187, 98.4057



34.4879, 63.9187, 15.8300



74.6412, 63.9187, 260.3627

Square

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



34.4879, 63.9187, 15.8300



36.5473, 63.9187, 203.5085



97.8008, 63.9187, 186.7393



93.8100, 63.9187, 12.8898

Rectangle

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



34.4879, 63.9187, 15.8300



27.7433, 63.9187, 87.4217



97.8008, 63.9187, 186.7393



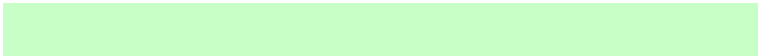
113.0333, 63.9187, 54.3758

Sweetspot

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



34.4894, 63.9214, 15.8314



69.5841, 87.7674, 67.2466



68.1112, 81.2540, 17.4039



14.3424, 18.5209, 13.4915



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.



34.4894, 63.9214, 15.8314



36.6687, 71.9565, 13.4068



39.2674, 65.8326, 40.9922



15.5660, 17.6564, 16.7375



17.0575, 34.1150, 5.6860



1.4190, 2.8381, 0.4731

Inverse Universe

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



53.6717, 28.8315, 85.1728



59.8367, 29.5755, 97.1558



43.7352, 24.8569, 32.8476



16.4543, 16.0314, 19.9486



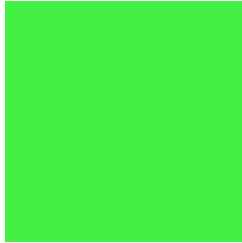
28.2806, 13.5847, 46.2558



2.3527, 1.1301, 3.8481

Previews

White Background



This preview shows how the XYZ color 34.4879, 63.9187, 15.8300 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 34.4879, 63.9187, 15.8300 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 34.4879, 63.9187, 15.8300

Background



This preview shows how black text looks on a background with the XYZ color 34.4879, 63.9187, 15.8300.

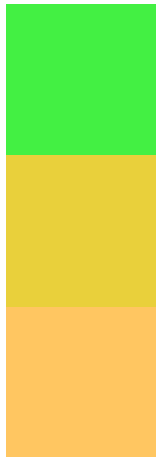


This preview shows how white text looks on a background with the XYZ color 34.4879, 63.9187,

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

34.4879, 63.9187, 15.8300

Protanopia

56.9496, 62.7512, 13.2483

Deuteranopia

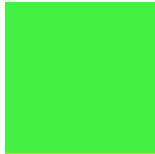
63.5918, 62.5112, 20.0235



Tritanopia

49.8851, 63.4351, 93.6194

Trichromacy



Original Color

34.4879, 63.9187, 15.8300



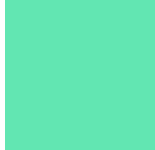
Protanomaly

43.6963, 60.4184, 13.9163



Deuteranomaly

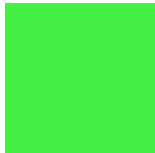
45.9675, 58.8252, 17.7358



Tritanomaly

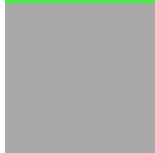
41.3697, 62.4047, 51.9844

Monochromacy



Original Color

34.4879, 63.9187, 15.8300



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.1957, 45.6017, 28.8822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4879, 63.9187, 15.8300 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(67, 240, 67)` looks like.

```
.text, #text, p{  
    color:rgb(67, 240, 67)  
}
```

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(67, 240, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 240, 67) }
```

Border

The CSS property to change the border of an element to XYZ 34.4879, 63.9187, 15.8300 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(67, 240, 67) }
```


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

```
.border{ border-color:rgb(67, 240, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 240, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 240, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 240, 67);  
box-shadow:4px 4px 4px 4px rgb(67, 240,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4879, 63.9187, 15.8300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 240, 67) }
```

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

```
.background{ background-color: rgb(67, 240,  
67) }
```

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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