

Converting Colors

XYZ(34.1070, 63.0889, 15.7613)

Have a look what the booklet for
XYZ(34.1070, 63.0889, 15.7613)
contains.

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Color

**XYZ(34.1944, 63.3315,
15.7322)**

Conversions

Conversions Part 1

Format	Color
Hex	43EF43
RGB	67, 239, 67
RGB Percent	26%, 94%, 26%
CMY	0.7372, 0.0627, 0.7372
CMYK	0.72, 0.00, 0.72, 0.06
HSL	120°, 84%, 60%
HSV	120°, 72%, 94%
XYZ	34.1944, 63.3315, 15.7322
YIQ	167.9640, -47.3000, -89.9560

Conversions

Conversions Part 2

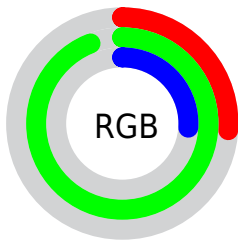
Format	Color
RYB	67, 239, 239
Decimal	4452163
CIELab	83.62, -73.77, 66.80
CIELCh	84, 99.523, 137.837
Yxy	63.3315, 0.3019, 0.5592
Android (android.graphics.Color)	4282642243 (0xFF43EF43)
YUV	167.9640, -49.7753, -88.5454
Hunter-Lab	79.5811, -62.5690, 43.9859

Details

The XYZ color **34.1944, 63.3315, 15.7322** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **53.1851, 28.5979, 84.3776**, and the grayscale version is **37.4568, 39.4074, 42.9147**.

A 20% lighter version of the original color is **49.8793, 78.3785, 31.5684**, and **16.5239, 33.0477, 5.5080** is the 20% darker color. If you saturate the color by 10%, you get **32.3062, 62.4264, 12.6426**, and if you desaturate by 10%, it is **37.0567, 64.7083, 20.4132**.

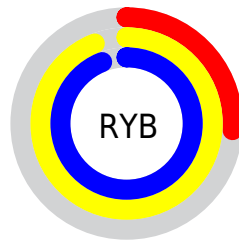
Distribution



Red (26%)

Green (94%)

Blue (26%)



Red (26%)

Yellow (94%)

Blue (94%)

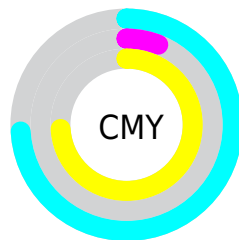


Cyan (72%)

Magenta (0%)

Yellow (72%)

Black (6%)



Cyan (74%)


Magenta (6%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1944, 63.3315, 15.7322 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 34.1944, 63.3315, 15.7322 by changing the saturation by 10% instead.

 34.1944, 63.3315,
15.7322


 34.1944, 63.3315,
15.7322


312.5687,
436.7716, 239.5478


 23.2066, 46.1094,
9.1826


 65.5781, 109.6476,
36.8930

 14.8677, 32.3322,
4.7620

 86.7048, 139.5105,
52.3412


 8.8123, 21.6154,
2.0520

 111.9417,
174.3557, 71.5926

 4.6751, 13.5745,
0.5870

 141.6544,
214.5677, 95.0659

 2.0907, 7.8254,
0.0000

 176.2080,
260.5310, 123.1795

 0.6841, 3.9834,
0.0000

215.9680,

 0.0000, 1.6643,

312.6297, 156.3520

0.0000

261.2998,
371.2485, 195.0019

■ 0.0000, 0.4004,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1944, 63.3315,
15.7322

■ 34.1944, 63.3315,
15.7322

■ 32.3062, 62.4264,
12.6426

■ 37.0567, 64.7083,
20.4132


■ 31.2595, 61.9237,
10.9303


■ 40.9954, 66.6003,
26.8556


■ 30.8678, 61.7355,
10.2894


■ 46.1044, 69.0544,
35.2124

■ 52.4664, 72.1104,
45.6187

 60.1568, 75.8045,
58.1976

 69.2447, 80.1699,
73.0624

 79.7946, 85.2375,
90.3185

 90.1577, 90.2155,
107.2692

Harmonies

Analogous

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



48.2626, 63.3315, 6.2167



34.1944, 63.3315, 15.7322



27.8487, 63.3315, 46.6581

Triad

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



34.1944, 63.3315, 15.7322



51.7992, 63.3315, 265.0510



109.4772, 63.3315, 38.3710

Complementary

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



34.1944, 63.3315, 15.7322



53.1851, 28.5979, 84.3776

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.



111.0825, 63.3315, 97.4238



34.1944, 63.3315, 15.7322



73.9472, 63.3315, 257.5872

Square

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



34.1944, 63.3315, 15.7322



36.2433, 63.3315, 201.4398



96.8556, 63.3315, 184.7774



92.8886, 63.3315, 12.8031

Rectangle

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



34.1944, 63.3315, 15.7322



27.5217, 63.3315, 86.6272



96.8556, 63.3315, 184.7774



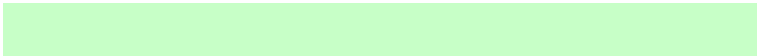
111.9102, 63.3315, 53.8700

Sweetspot

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



34.1959, 63.3341, 15.7336



69.5840, 87.7674, 67.2463



67.4789, 80.4922, 17.2905



14.3423, 18.5209, 13.4914



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.



34.1959, 63.3341, 15.7336



36.7911, 72.0153, 13.6069



38.9326, 65.2288, 40.6767



15.5660, 17.6564, 16.7374



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.



53.1851, 28.5979, 84.3776



59.9108, 29.7233, 97.1819



43.3553, 24.6660, 32.6142



16.4543, 16.0314, 19.9486



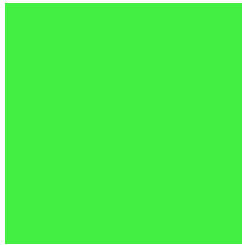
28.2808, 13.5847, 46.2565



2.3527, 1.1301, 3.8481

Previews

White Background



This preview shows how the XYZ color 34.1944, 63.3315, 15.7322 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 34.1944, 63.3315, 15.7322 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 34.1944, 63.3315, 15.7322

Background



This preview shows how black text looks on a background with the XYZ color 34.1944, 63.3315, 15.7322.



This preview shows how white text looks on a background with the XYZ color 34.1944, 63.3315,

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

34.1944, 63.3315, 15.7322

Protanopia

56.3810, 62.0972, 13.1520

Deuteranopia

63.1380, 61.9652, 18.7580



Tritanopia

49.3351, 62.7711, 92.7349

Trichromacy



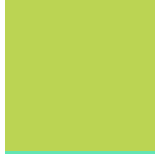
Original Color

34.1944, 63.3315, 15.7322



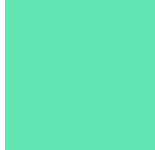
Protanomaly

43.2143, 59.7815, 13.8188



Deuteranomaly

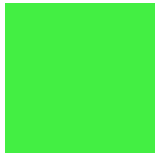
45.5983, 58.2763, 17.0288



Tritanomaly

41.0922, 61.8496, 51.8919

Monochromacy



Original Color

34.1944, 63.3315, 15.7322



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.7486, 45.0476, 28.4417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1944, 63.3315, 15.7322 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, 239, 67)` looks like.

```
.text, #text, p{  
    color:rgb(67, 239, 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, 239, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 239, 67) }
```

Border

The CSS property to change the border of an element to XYZ 34.1944, 63.3315, 15.7322 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, 239, 67) }
```


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

```
.border{ border-color:rgb(67, 239, 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, 239, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 239, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 239, 67);  
box-shadow:4px 4px 4px 4px rgb(67, 239,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1944, 63.3315, 15.7322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 239, 67) }
```

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

```
.background{ background-color: rgb(67, 239,  
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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