

Converting Colors

XYZ(34.0966, 63.2846, 15.5723)

Have a look what the booklet for
XYZ(34.0966, 63.2846, 15.5723)
contains.

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Color

**XYZ(34.0966, 63.2846,
15.5723)**

Conversions

Conversions Part 1

Format	Color
Hex	42EF42
RGB	66, 239, 66
RGB Percent	26%, 94%, 26%
CMY	0.7412, 0.0627, 0.7412
CMYK	0.72, 0.00, 0.72, 0.06
HSL	120°, 84%, 60%
HSV	120°, 72%, 94%
XYZ	34.0966, 63.2846, 15.5723
YIQ	167.5510, -47.5750, -90.4790

Conversions

Conversions Part 2

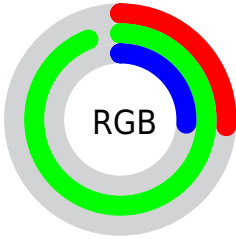
Format	Color
RYB	66, 239, 239
Decimal	4386626
CIELab	83.59, -74.00, 67.12
CIELCh	84, 99.907, 137.793
Yxy	63.2846, 0.3019, 0.5603
Android (android.graphics.Color)	4282576706 (0xFF42EF42)
YUV	167.5510, -50.0646, -89.0602
Hunter-Lab	79.5516, -62.7085, 44.0801

Details

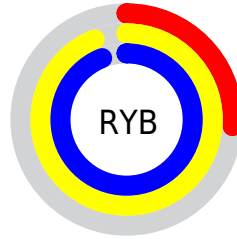
The XYZ color **34.0966, 63.2846, 15.5723** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark muted green. A complement of this color would be **53.1260, 28.4798, 84.3569**, and the grayscale version is **37.2549, 39.1951, 42.6834**.

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 **32.2465, 62.3978, 12.5449**, and if you desaturate by 10%, it is **36.9160, 64.6408, 20.1831**.

Distribution



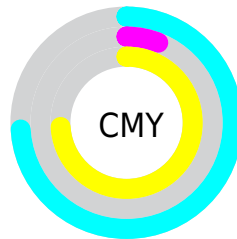
- Red (26%)
- Green (94%)
- Blue (26%)



- 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 34.0966, 63.2846, 15.5723 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 34.0966, 63.2846, 15.5723 by changing the saturation by 10% instead.


 34.0966, 63.2846,
15.5723


 34.0966, 63.2846,
15.5723


312.1409,
436.6016, 238.5635


 23.1311, 46.0715,
9.0710


 65.4272, 109.5800,
36.6105


 14.8115, 32.3022,
4.6900


 86.5229, 139.4311,
51.9844


 8.7727, 21.5925,
2.0110


 111.7260,
174.2636, 71.1529

 4.6491, 13.5578,
0.5621

 141.4020,
214.4619, 94.5346

 2.0755, 7.8137,
0.0000

 175.9161,
260.4105, 122.5479

 0.6759, 3.9760,
0.0000

215.6337,

 0.0000, 1.6601,

312.4937, 155.6115

0.0000

260.9202,
371.0960, 194.1438

■ 0.0000, 0.3976,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0966, 63.2846,
15.5723

■ 34.0966, 63.2846,
15.5723

■ 32.2465, 62.3978,
12.5449

■ 36.9160, 64.6408,
20.1831


■ 31.2319, 61.9104,
10.8850


■ 40.8075, 66.5101,
26.5485


■ 30.8678, 61.7356,
10.2895


■ 45.8657, 68.9398,
34.8222

■ 52.1737, 71.9699,
45.1401

 59.8070, 75.6365,
57.6256

 68.8350, 79.9731,
72.3923

 79.3224, 85.0108,
89.5460

 90.1578, 90.2156,
107.2693

Harmonies

Analogous

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



48.2079, 63.2846, 6.1128



34.0966, 63.2846, 15.5723



27.7318, 63.2846, 46.4745

Triad

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



34.0966, 63.2846, 15.5723



51.6998, 63.2846, 265.9885



109.6545, 63.2846, 38.2999

Complementary

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



34.0966, 63.2846, 15.5723



53.1260, 28.4798, 84.3569

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.



111.2429, 63.2846, 97.5955



34.0966, 63.2846, 15.5723



73.9177, 63.2846, 258.5933

Square

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



34.0966, 63.2846, 15.5723



36.1174, 63.2846, 201.9101



96.9292, 63.2846, 185.4100



93.0057, 63.2846, 12.6953

Rectangle

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



34.0966, 63.2846, 15.5723



27.3979, 63.2846, 86.5351



96.9292, 63.2846, 185.4100



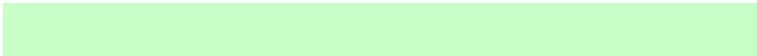
112.0914, 63.2846, 53.8505

Sweetspot

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



34.0981, 63.2872, 15.5737



69.5841, 87.7674, 67.2466



67.4492, 80.4804, 17.1336



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.



34.0981, 63.2872, 15.5737



36.6687, 71.9565, 13.4068



38.8233, 65.1773, 40.4561



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.



53.1260, 28.4798, 84.3569



59.8367, 29.5755, 97.1558



43.2550, 24.5314, 32.3771



16.4543, 16.0314, 19.9486



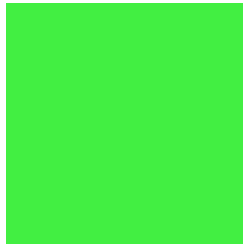
28.2806, 13.5847, 46.2557



2.3527, 1.1301, 3.8481

Previews

White Background



This preview shows how the XYZ color 34.0966, 63.2846, 15.5723 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 34.0966, 63.2846, 15.5723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

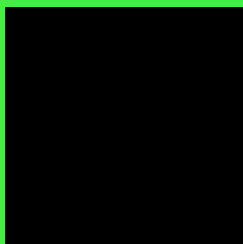
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0966, 63.2846, 15.5723

Background



This preview shows how black text looks on a background with the XYZ color 34.0966, 63.2846, 15.5723.

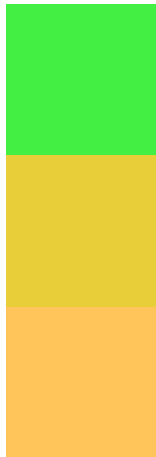


This preview shows how white text looks on a background with the XYZ color 34.0966, 63.2846,

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

34.0966, 63.2846, 15.5723

Protanopia

56.3553, 62.0869, 13.0167

Deuteranopia

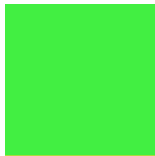
63.0946, 61.9478, 18.5292



Tritanopia

49.3351, 62.7711, 92.7349

Trichromacy



Original Color

34.0966, 63.2846, 15.5723



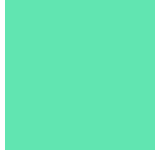
Protanomaly

43.1871, 59.7706, 13.6756



Deuteranomaly

45.3162, 58.1353, 16.8155



Tritanomaly

40.8849, 61.7543, 51.3599

Monochromacy



Original Color

34.0966, 63.2846, 15.5723



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 34.0966, 63.2846, 15.5723 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(66, 239, 66)` looks like.

```
.text, #text, p{  
    color:rgb(66, 239, 66)  
}
```

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(66, 239, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 239, 66) }
```

Border

The CSS property to change the border of an element to XYZ 34.0966, 63.2846, 15.5723 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(66, 239, 66) }
```


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

```
.border{ border-color:rgb(66, 239, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 239, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 239, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 239, 66);  
box-shadow:4px 4px 4px 4px rgb(66, 239,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0966, 63.2846, 15.5723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 239, 66) }
```

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

```
.background{ background-color: rgb(66, 239,  
66) }
```

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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