

Converting Colors

XYZ(34.2963, 57.0655, 36.9575)

Have a look what the booklet for
XYZ(34.2963, 57.0655, 36.9575)
contains.

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Color

**XYZ(34.2416, 57.0138,
36.8038)**

Conversions

Conversions Part 1

Format	Color
Hex	3FE193
RGB	63, 225, 147
RGB Percent	25%, 88%, 58%
CMY	0.7529, 0.1176, 0.4235
CMYK	0.72, 0.00, 0.35, 0.12
HSL	151°, 73%, 56%
HSV	151°, 72%, 88%
XYZ	34.2416, 57.0138, 36.8038
YIQ	167.6700, -71.5140, -58.6020

Conversions

Conversions Part 2

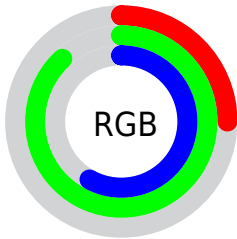
Format	Color
RYB	63, 170, 225
Decimal	4186515
CIELab	80.19, -58.83, 26.52
CIELCh	80, 64.528, 155.731
Yxy	57.0138, 0.2674, 0.4452
Android (android.graphics.Color)	4282376595 (0xFF3FE193)
YUV	167.6700, -10.1903, -91.7956
Hunter-Lab	75.5075, -51.1908, 23.9562

Details

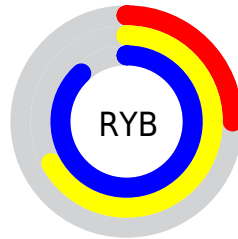
The XYZ color **34.2416, 57.0138, 36.8038** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **37.6385, 21.4869, 27.3653**, and the grayscale version is **37.1326, 39.0664, 42.5433**.

A 20% lighter version of the original color is **55.6627, 80.5623, 67.8747**, and **16.1140, 28.8498, 15.7856** is the 20% darker color. If you saturate the color by 10%, you get **32.2770, 56.0962, 32.4819**, and if you desaturate by 10%, it is **36.8760, 58.2705, 41.5776**.

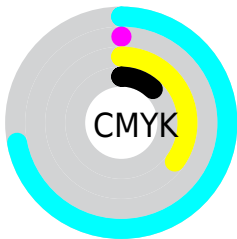
Distribution



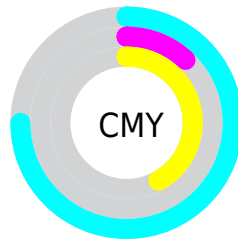
- Red (25%)
- Green (88%)
- Blue (58%)



- Red (25%)
- Yellow (67%)
- Blue (88%)



- Cyan (72%)
- Magenta (0%)
- Yellow (35%)
- Black (12%)





- Cyan (75%)
- Magenta (12%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2416, 57.0138, 36.8038 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 34.2416, 57.0138, 36.8038 by changing the saturation by 10% instead.


 34.2416, 57.0138,
36.8038


 34.2416, 57.0138,
36.8038


312.7750,
413.5010, 347.6034


 23.2430, 41.0163,
24.7610


 65.6510, 100.4853,
71.4539


 14.8947, 28.3318,
15.6817


 86.7925, 128.7282,
94.8983

 8.8314, 18.5760,
9.1473


 112.0458,
161.8216, 122.9803

 4.6876, 11.3643,
4.7393

 141.7761,
200.1499, 156.1184

 2.0980, 6.3124,
2.0391

176.3488,
244.0977, 194.7313

 0.6881, 3.0360,
0.5791

216.1293,

 0.0000, 1.1505,

294.0492, 239.2373

0.0000

261.4829,
350.3888, 290.0552

■ 0.0000, 0.0207,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.2416, 57.0138,
36.8038

■ 34.2416, 57.0138,
36.8038

■ 32.2770, 56.0962,
32.4819

■ 36.8760, 58.2705,
41.5776


■ 30.8989, 55.4704,
28.5927


■ 40.2417, 59.8932,
46.8134


■ 30.1175, 55.1290,
25.7805


■ 44.3977, 61.9135,
52.5259


■ 49.3955, 64.3579,
58.7277

 55.2821, 67.2503,
65.4309

 62.1010, 70.6129,
72.6472

 69.8927, 74.4664,
80.3878

 78.6953, 78.8303,
88.6635

 84.5724, 81.6750,
97.2990

Harmonies

Analogous

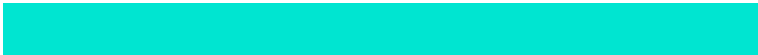
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.7161, 57.0138, 19.8784



34.2416, 57.0138, 36.8038



32.7116, 57.0138, 69.5997

Triad

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



34.2416, 57.0138, 36.8038



56.7562, 57.0138, 165.6969



77.4337, 57.0138, 28.6480

Complementary

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



34.2416, 57.0138, 36.8038



37.6385, 21.4869, 27.3653

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.



83.4658, 57.0138, 55.1194



34.2416, 57.0138, 36.8038



70.3498, 57.0138, 141.4380

Square

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



34.2416, 57.0138, 36.8038



44.4413, 57.0138, 154.3415



80.6838, 57.0138, 96.8793



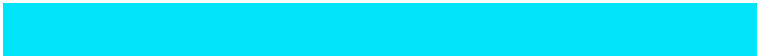
65.2690, 57.0138, 16.6800

Rectangle

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



34.2416, 57.0138, 36.8038



34.4430, 57.0138, 99.1525



80.6838, 57.0138, 96.8793



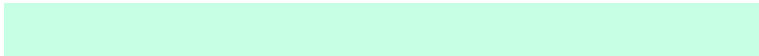
80.3284, 57.0138, 35.6333

Sweetspot

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



34.2431, 57.0161, 36.8051



73.2886, 89.2492, 86.7543



38.8599, 59.9009, 14.2172



15.2052, 18.8660, 18.0350



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.



34.2431, 57.0161, 36.8051



41.9346, 74.0727, 40.6924



41.8434, 58.8975, 80.3999



13.8241, 15.4554, 16.1087



17.4139, 31.7904, 15.1683



1.2522, 2.2216, 1.2894

Inverse Universe

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



37.6385, 21.4869, 27.3653



46.6913, 24.4354, 27.5687



33.8809, 20.2291, 6.8222



13.9808, 13.8099, 15.6689



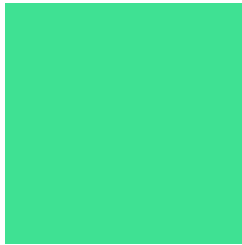
19.5217, 9.8757, 9.4131



1.3982, 0.7026, 0.8899

Previews

White Background



This preview shows how the XYZ color 34.2416, 57.0138, 36.8038 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 34.2416, 57.0138, 36.8038 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 34.2416, 57.0138, 36.8038

Background



This preview shows how black text looks on a background with the XYZ color 34.2416, 57.0138, 36.8038.



This preview shows how white text looks on a background with the XYZ color 34.2416, 57.0138,

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

34.2416, 57.0138, 36.8038

Protanopia

51.7800, 55.8279, 30.9684

Deuteranopia

56.7471, 55.5847, 38.7484



Tritanopia

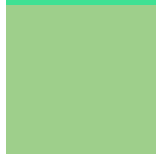
43.9029, 57.0237, 85.0367

Trichromacy



Original Color

34.2416, 57.0138, 36.8038



Protanomaly

41.0736, 53.7588, 32.6378



Deuteranomaly

43.1502, 52.9431, 37.6505



Tritanomaly

39.6204, 56.8114, 64.1358

Monochromacy



Original Color

34.2416, 57.0138, 36.8038



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.7487, 43.6791, 39.9099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2416, 57.0138, 36.8038 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(63, 225, 147)` looks like.

```
.text, #text, p{  
    color:rgb(63, 225, 147)  
}
```

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(63, 225, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 225, 147) }
```

Border

The CSS property to change the border of an element to XYZ 34.2416, 57.0138, 36.8038 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(63, 225, 147) }
```


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

```
.border{ border-color:rgb(63, 225, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 225, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 225, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 225, 147);  
box-shadow:4px 4px 4px 4px rgb(63, 225,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2416, 57.0138, 36.8038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 225, 147) }
```

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

```
.background{ background-color: rgb(63, 225,  
147) }
```

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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