

Converting Colors

XYZ(34.2270, 60.8478, 31.4832)

Have a look what the booklet for
XYZ(34.2270, 60.8478, 31.4832)
contains.

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Color

**XYZ(34.2127, 60.8417,
31.4132)**

Conversions

Conversions Part 1

Format	Color
Hex	23EA83
RGB	35, 234, 131
RGB Percent	14%, 92%, 51%
CMY	0.8627, 0.0823, 0.4863
CMYK	0.85, 0.00, 0.44, 0.08
HSL	149°, 83%, 53%
HSV	149°, 85%, 92%
XYZ	34.2127, 60.8417, 31.4132
YIQ	162.7570, -85.5410, -74.2210

Conversions

Conversions Part 2

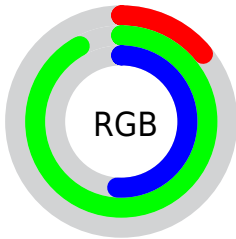
Format	Color
RYB	35, 169, 234
Decimal	2353795
CIELab	82.29, -68.00, 37.32
CIELCh	82, 77.571, 151.244
Yxy	60.8417, 0.2705, 0.4811
Android (android.graphics.Color)	4280543875 (0xFF23EA83)
YUV	162.7570, -15.6562, -112.0429
Hunter-Lab	78.0011, -58.2086, 30.7230

Details

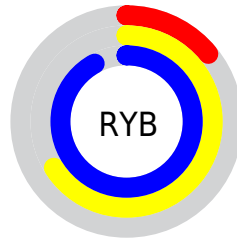
The XYZ color **34.2127, 60.8417, 31.4132** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **39.1221, 20.5307, 25.9481**, and the grayscale version is **34.8002, 36.6125, 39.8711**.

A 20% lighter version of the original color is **51.9882, 78.8743, 58.3831**, and **17.1701, 32.0235, 12.8656** is the 20% darker color. If you saturate the color by 10%, you get **32.8934, 60.2526, 27.3147**, and if you desaturate by 10%, it is **36.1592, 61.7464, 36.0447**.

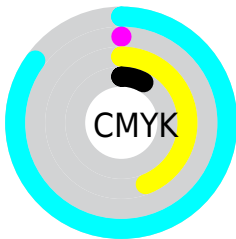
Distribution



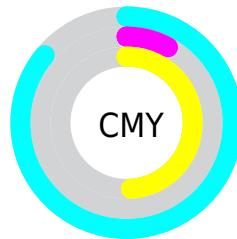
- Red (14%)
- Green (92%)
- Blue (51%)



- Red (14%)
- Yellow (66%)
- Blue (92%)



- Cyan (85%)
- Magenta (0%)
- Yellow (44%)
- Black (8%)





- Cyan (86%)
- Magenta (8%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2127, 60.8417, 31.4132 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 34.2127, 60.8417, 31.4132 by changing the saturation by 10% instead.

 34.2127, 60.8417,
31.4132


 34.2127, 60.8417,
31.4132


312.6487,
427.6933, 322.8474


 23.2207, 44.0974,
20.6526


 65.6064, 106.0497,
62.9772


 14.8782, 30.7471,
12.6815


 86.7388, 135.2822,
84.6177


 8.8197, 20.4064,
7.0815


 111.9821,
169.4463, 110.7219

 4.6799, 12.6908,
3.4339

 141.7016,
208.9262, 141.7083

 2.0935, 7.2160,
1.3202

 176.2626,
254.1065, 177.9956

 0.6857, 3.5975,
0.0783

216.0306,

 0.0000, 1.4511,

305.3716, 220.0021

0.0000

261.3708,
363.1057, 268.1466

■ 0.0000, 0.2539,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.2127, 60.8417,
31.4132

■ 34.2127, 60.8417,
31.4132

■ 32.8934, 60.2526,
27.3147

■ 36.1592, 61.7464,
36.0447

■ 32.3981, 60.0376,
25.4695

■ 38.8223, 63.0073,
41.2258

■ 42.2804, 64.6663,
46.9771

■ 46.6001, 66.7573,
53.3167

■ 51.8403, 69.3105,
60.2616

■ 58.0550, 72.3532,
67.8283

■ 65.2935, 75.9107,
76.0323

■ 73.6017, 80.0064,
84.8888

■ 83.0229, 84.6621,
94.4122

Harmonies

Analogous

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



42.8682, 60.8417, 14.9381



34.2127, 60.8417, 31.4132



31.5307, 60.8417, 68.2411

Triad

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



34.2127, 60.8417, 31.4132



58.5206, 60.8417, 205.1577



89.4571, 60.8417, 29.3785

Complementary

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



34.2127, 60.8417, 31.4132



39.1221, 20.5307, 25.9481

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.



95.7511, 60.8417, 64.2907



34.2127, 60.8417, 31.4132



75.9173, 60.8417, 178.4253

Square

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



34.2127, 60.8417, 31.4132



43.8541, 60.8417, 182.2762



90.3828, 60.8417, 120.3521



74.4941, 60.8417, 14.2183

Rectangle

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



34.2127, 60.8417, 31.4132



32.9882, 60.8417, 104.9764



90.3828, 60.8417, 120.3521



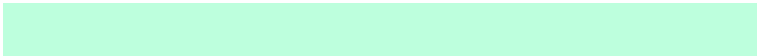
92.7720, 60.8417, 38.4495

Sweetspot

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



34.2142, 60.8442, 31.4146



69.6809, 87.5041, 81.4030



40.7354, 64.6442, 11.9211



14.3323, 18.4441, 16.7262



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.



34.2142, 60.8442, 31.4146



39.3359, 72.9504, 30.7507



44.0337, 64.7719, 83.1231



15.1710, 16.9832, 17.5835



18.2682, 33.7618, 14.6434



1.4829, 2.6705, 1.4048

Inverse Universe

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



39.1221, 20.5307, 25.9481



45.4040, 22.9256, 23.8573



34.9457, 18.8601, 3.9553



15.3910, 15.1843, 17.3444



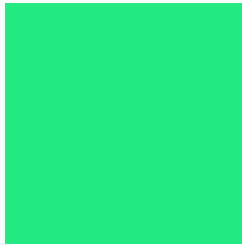
21.0752, 10.6328, 11.4634



1.7035, 0.8544, 1.1561

Previews

White Background



This preview shows how the XYZ color 34.2127, 60.8417, 31.4132 looks on a white background.

Color Contrast Check

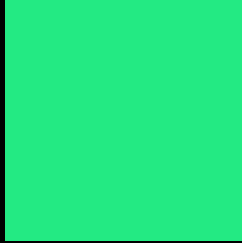
Large Text (above 18pt) WCAG AA × Fail

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 34.2127, 60.8417, 31.4132 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 34.2127, 60.8417, 31.4132

Background



This preview shows how black text looks on a background with the XYZ color 34.2127, 60.8417, 31.4132.

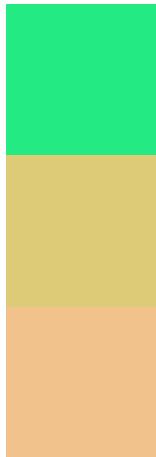


This preview shows how white text looks on a background with the XYZ color 34.2127, 60.8417,

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

34.2127, 60.8417, 31.4132

Protanopia

54.8099, 59.5734, 26.0628

Deuteranopia

60.7175, 59.3839, 33.4614



Tritanopia

46.1149, 60.7499, 90.9567

Trichromacy



Original Color

34.2127, 60.8417, 31.4132



Protanomaly

40.9481, 56.3932, 27.4657



Deuteranomaly

43.2522, 55.6226, 32.1235



Tritanomaly

40.2202, 59.9024, 64.0861

Monochromacy



Original Color

34.2127, 60.8417, 31.4132



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.9860, 42.3426, 35.8180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2127, 60.8417, 31.4132 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(35, 234, 131)` looks like.

```
.text, #text, p{  
    color:rgb(35, 234, 131)  
}
```

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(35, 234, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 234, 131) }
```

Border

The CSS property to change the border of an element to XYZ 34.2127, 60.8417, 31.4132 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(35, 234, 131) }
```


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

```
.border{ border-color:rgb(35, 234, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 234, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 234, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 234, 131);  
box-shadow:4px 4px 4px 4px rgb(35, 234,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2127, 60.8417, 31.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 234, 131) }
```

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

```
.background{ background-color: rgb(35, 234,  
131) }
```

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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