

Converting Colors

XYZ(33.4697, 60.2982, 31.7925)

Have a look what the booklet for
XYZ(33.4697, 60.2982, 31.7925)
contains.

XYZ(33.5877, 60.5116, 31.7394)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.5877, 60.5116,
31.7394)**

Conversions

Conversions Part 1

Format	Color
Hex	00EA84
RGB	0, 234, 132
RGB Percent	0%, 92%, 52%
CMY	0.9999, 0.0823, 0.4823
CMYK	1.00, 0.00, 0.44, 0.08
HSL	154°, 100%, 46%
HSV	154°, 100%, 92%
XYZ	33.5877, 60.5116, 31.7394
YIQ	152.4060, -106.7220, -81.3300

Conversions

Conversions Part 2

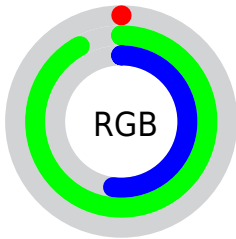
Format	Color
RYB	0, 150, 234
Decimal	60036
CIELab	82.12, -69.42, 36.55
CIELCh	82, 78.453, 152.229
Yxy	60.5116, 0.2669, 0.4809
Android (android.graphics.Color)	4278250116 (0xFF00EA84)
YUV	152.4060, -10.0602, -133.6601
Hunter-Lab	77.7892, -59.0587, 30.2611

Details

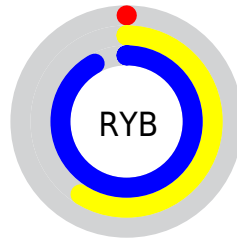
The XYZ color **33.5877, 60.5116, 31.7394** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **36.3325, 18.4533, 14.2228**, and the grayscale version is **30.0992, 31.6667, 34.4850**.

A 20% lighter version of the original color is **51.0533, 78.3802, 58.8925**, and **17.2073, 32.0384, 13.0617** is the 20% darker color. If you saturate the color by 10%, you get **33.5884, 60.5137, 31.7377**, and if you desaturate by 10%, it is **34.6848, 60.9942, 35.6164**.

Distribution



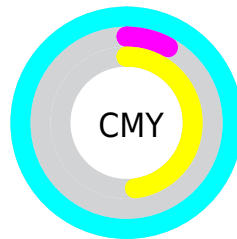
- Red (0%)
- Green (92%)
- Blue (52%)



- Red (0%)
- Yellow (59%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5877, 60.5116, 31.7394 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 33.5877, 60.5116, 31.7394 by changing the saturation by 10% instead.


 33.5877, 60.5116,
31.7394


 33.5877, 60.5116,
31.7394


309.9081,
426.4810, 324.3865


 22.7384, 43.8311,
20.8994


 64.6406, 105.5715,
63.4955

 14.5201, 30.5378,
12.8599


 85.5748, 134.7196,
85.2486


 8.5674, 20.2471,
7.2026


 110.6015,
168.7925, 111.4765

 4.5149, 12.5748,
3.5087

 140.0859,
208.1744, 142.5977

 1.9974, 7.1364,
1.3599

 174.3934,
253.2499, 179.0308

 0.6325, 3.5476,
0.1101

213.8894,

 0.0000, 1.4238,

304.4032, 221.1942

0.0000

258.9391,
362.0187, 269.5066

■ 0.0000, 0.2342,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5877, 60.5116,
31.7394

■ 33.5877, 60.5116,
31.7394

■ 33.5884, 60.5137,
31.7377

■ 34.6848, 60.9942,
35.6164

■ 36.2887, 61.7283,
39.8820

■ 38.5413, 62.7884,
44.5534

■ 41.5254, 64.2173,
49.6437

■ 45.3110, 66.0505,
55.1648

■ 49.9594, 68.3197,
61.1281

■ 55.5256, 71.0529,
67.5443

■ 62.0600, 74.2760,
74.4237

■ 69.6092, 78.0128,
81.7763

Harmonies

Analogous

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



42.0777, 60.5116, 14.7857



33.5877, 60.5116, 31.7394



31.0932, 60.5116, 69.5162

Triad

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



33.5877, 60.5116, 31.7394



58.7681, 60.5116, 206.4908



89.0620, 60.5116, 28.0945

Complementary

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



33.5877, 60.5116, 31.7394



36.3325, 18.4533, 14.2228

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.



95.7931, 60.5116, 62.3861



33.5877, 60.5116, 31.7394



76.3286, 60.5116, 177.8312

Square

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



33.5877, 60.5116, 31.7394



43.8525, 60.5116, 184.8313



90.7383, 60.5116, 118.4936



73.7546, 60.5116, 13.5080

Rectangle

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



33.5877, 60.5116, 31.7394



32.6820, 60.5116, 107.0050



90.7383, 60.5116, 118.4936



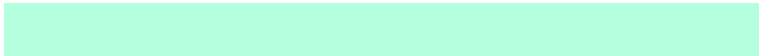
92.5227, 60.5116, 36.9368

Sweetspot

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



33.5892, 60.5140, 31.7408



67.3731, 86.2995, 81.9689



35.2866, 61.8702, 10.0829



13.7788, 18.1561, 16.8239



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.



33.5892, 60.5140, 31.7408



40.7816, 73.5286, 38.3634



41.0544, 58.3455, 86.9429



15.2242, 17.0045, 17.8635



18.9385, 34.0299, 18.1730



1.5353, 2.6914, 1.6807

Inverse Universe

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



36.3325, 18.4533, 14.2228



44.1182, 22.4113, 17.0865



34.0612, 17.7493, 1.6313



15.3382, 15.1631, 17.0661



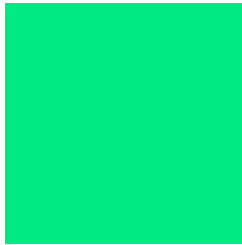
20.4764, 10.3932, 8.3098



1.6554, 0.8351, 0.9028

Previews

White Background



This preview shows how the XYZ color 33.5877, 60.5116, 31.7394 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 33.5877, 60.5116, 31.7394 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 33.5877, 60.5116, 31.7394

Background



This preview shows how black text looks on a background with the XYZ color 33.5877, 60.5116, 31.7394.

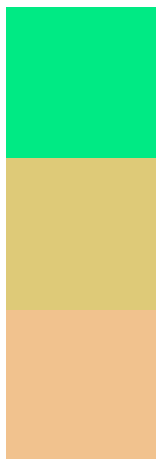


This preview shows how white text looks on a background with the XYZ color 33.5877, 60.5116,

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

33.5877, 60.5116, 31.7394

Protanopia

54.6349, 59.1267, 26.3023

Deuteranopia

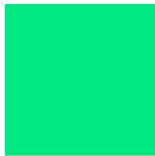
60.4499, 59.2373, 33.8391



Tritanopia

45.7799, 60.5601, 91.7145

Trichromacy



Original Color

33.5877, 60.5116, 31.7394



Protanomaly

38.6692, 55.2111, 27.6875



Deuteranomaly

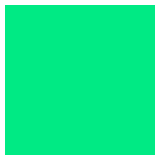
40.5248, 54.2082, 32.3721



Tritanomaly

39.3145, 59.4220, 64.6558

Monochromacy



Original Color

33.5877, 60.5116, 31.7394



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.7685, 38.0416, 32.7200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5877, 60.5116, 31.7394 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(0, 234, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 132)  
}
```

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(0, 234, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 132) }
```

Border

The CSS property to change the border of an element to XYZ 33.5877, 60.5116, 31.7394 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(0, 234, 132) }
```


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

```
.border{ border-color:rgb(0, 234, 132) }
```

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

Here you see how a box with a 4 pixel rgb(0, 234, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5877, 60.5116, 31.7394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 132) }
```

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

```
.background{ background-color: rgb(0, 234,  
132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor