

Converting Colors

XYZ(31.1830, 60.9974, 14.6134)

Have a look what the booklet for
XYZ(31.1830, 60.9974, 14.6134)
contains.

XYZ(31.1265, 60.9053, 14.5302)	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(31.1265, 60.9053,
14.5302)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED3D
RGB	0, 237, 61
RGB Percent	0%, 93%, 24%
CMY	1.0000, 0.0706, 0.7608
CMYK	1.00, 0.00, 0.74, 0.07
HSL	135°, 100%, 46%
HSV	135°, 100%, 93%
XYZ	31.1265, 60.9053, 14.5302
YIQ	146.0730, -84.7560, -104.9800

Conversions

Conversions Part 2

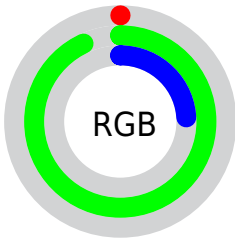
Format	Color
RYB	0, 188, 237
Decimal	60733
CIELab	82.33, -79.19, 67.33
CIELCh	82, 103.939, 139.627
Yxy	60.9053, 0.2921, 0.5715
Android (android.graphics.Color)	4278250813 (0xFF00ED3D)
YUV	146.0730, -41.9410, -128.1060
Hunter-Lab	78.0418, -65.3796, 43.5904

Details

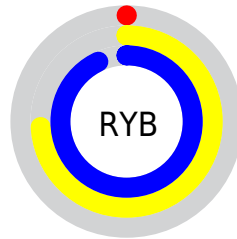
The XYZ color **31.1265, 60.9053, 14.5302** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **42.7632, 21.1400, 42.9022**, and the grayscale version is **27.5450, 28.9794, 31.5586**.

A 20% lighter version of the original color is **45.8998, 76.3626, 29.7731**, and **16.1201, 32.2402, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **31.1278, 60.9077, 14.5311**, and if you desaturate by 10%, it is **32.0521, 61.3202, 17.4690**.

Distribution



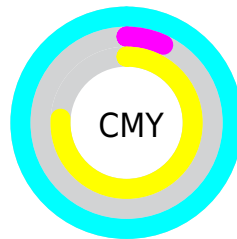
- Red (0%)
- Green (93%)
- Blue (24%)



- Red (0%)
- Yellow (74%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (7%)



- Cyan (100%)
- Magenta (7%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1265, 60.9053, 14.5302 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 31.1265, 60.9053, 14.5302 by changing the saturation by 10% instead.

31.1265, 60.9053,
14.5302

31.1265, 60.9053,
14.5302

298.9372,
427.9267, 232.0467

20.8475, 44.1487,
8.3474

60.8137, 106.1418,
34.7574

13.1244, 30.7875,
4.2271

80.9525, 135.3905,
49.6390

7.5919, 20.4371,
1.7507

105.1087,
169.5721, 68.2571

3.8845, 12.7131,
0.3952

133.6476,
209.0710, 91.0305

1.6370, 7.2313,
0.0000

166.9346,
254.2715, 118.3776

0.4163, 3.6072,
0.0000

205.3349,

0.0000, 1.4563,

305.5580, 150.7170

0.0000

249.2140,
363.3149, 188.4672

■ 0.0000, 0.2577,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.1265, 60.9053,
14.5302

■ 31.1265, 60.9053,
14.5302

■ 31.1278, 60.9077,
14.5311

■ 32.0521, 61.3202,
17.4690

■ 33.5973, 62.0332,
21.3192

■ 35.9180, 63.1249,
26.1533

■ 39.1090, 64.6431,
32.0338

■ 43.2510, 66.6281,
39.0177

■ 48.4152, 69.1155,
47.1581

■ 54.6655, 72.1372,
56.5042

■ 62.0608, 75.7227,
67.1027

■ 70.6556, 79.8991,
78.9977

Harmonies

Analogous

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



44.7288, 60.9053, 5.0024



31.1265, 60.9053, 14.5302



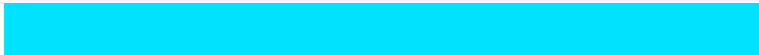
25.2885, 60.9053, 46.6894

Triad

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



31.1265, 60.9053, 14.5302



50.5541, 60.9053, 273.1985



107.9833, 60.9053, 33.2028

Complementary

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



31.1265, 60.9053, 14.5302



42.7632, 21.1400, 42.9022

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.



110.7009, 60.9053, 90.7901



31.1265, 60.9053, 14.5302



73.4054, 60.9053, 260.3164

Square

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



31.1265, 60.9053, 14.5302



34.4514, 60.9053, 209.4026



96.7752, 60.9053, 180.8556



90.0908, 60.9053, 10.0366

Rectangle

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



31.1265, 60.9053, 14.5302



25.2331, 60.9053, 88.8774



96.7752, 60.9053, 180.8556



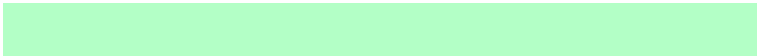
110.8492, 60.9053, 47.9368

Sweetspot

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



31.1279, 60.9078, 14.5316



64.4501, 85.1302, 66.5762



48.5892, 70.0067, 10.9519



13.0933, 17.8819, 13.2138



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.



31.1279, 60.9078, 14.5316



36.7326, 71.9091, 17.0418



38.2967, 63.7753, 52.2817



15.0274, 16.9258, 16.8273



17.0391, 33.2701, 8.1710



1.3761, 2.6278, 0.8425

Inverse Universe

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



42.7632, 21.1400, 42.9022



50.4650, 24.9500, 50.5082



35.7225, 18.3238, 5.8265



15.5396, 15.2437, 18.1268



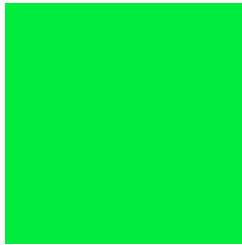
23.4023, 11.5636, 23.7175



1.8763, 0.9235, 2.0661

Previews

White Background



This preview shows how the XYZ color 31.1265, 60.9053, 14.5302 looks on a white background.

Color Contrast Check

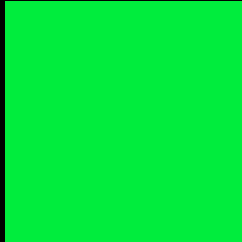
Large Text (above 18pt) WCAG AA × Fail

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 31.1265, 60.9053, 14.5302 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

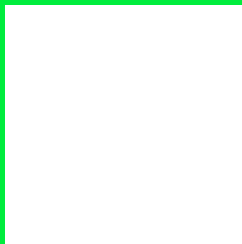
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1265, 60.9053, 14.5302

Background



This preview shows how black text looks on a background with the XYZ color 31.1265, 60.9053, 14.5302.

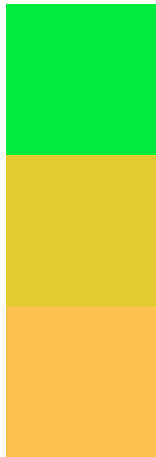


This preview shows how white text looks on a background with the XYZ color 31.1265, 60.9053,

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

31.1265, 60.9053, 14.5302

Protanopia

53.9707, 59.4538, 11.8800

Deuteranopia

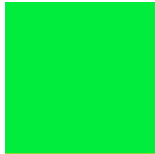
60.9531, 59.5726, 15.4938



Tritanopia

46.4734, 60.5416, 90.8976

Trichromacy



Original Color

31.1265, 60.9053, 14.5302



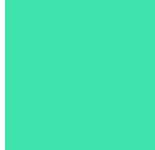
Protanomaly

36.6671, 54.8965, 12.2779



Deuteranomaly

38.6681, 53.6459, 14.4476



Tritanomaly

37.0957, 59.0183, 49.4809

Monochromacy



Original Color

31.1265, 60.9053, 14.5302



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.7288, 35.8052, 21.8801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1265, 60.9053, 14.5302 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, 237, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 61)  
}
```

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, 237, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 61) }
```

Border

The CSS property to change the border of an element to XYZ 31.1265, 60.9053, 14.5302 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, 237, 61) }
```


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

```
.border{ border-color:rgb(0, 237, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.1265, 60.9053, 14.5302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 61) }
```

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

```
.background{ background-color: rgb(0, 237,  
61) }
```

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