

Converting Colors

XYZ(31.4264, 61.0244, 16.1081)

Have a look what the booklet for
XYZ(31.4264, 61.0244, 16.1081)
contains.

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Color

**XYZ(31.4215, 61.0233,
16.0838)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED47
RGB	0, 237, 71
RGB Percent	0%, 93%, 28%
CMY	1.0000, 0.0706, 0.7215
CMYK	1.00, 0.00, 0.70, 0.07
HSL	138°, 100%, 46%
HSV	138°, 100%, 93%
XYZ	31.4215, 61.0233, 16.0838
YIQ	147.2130, -87.9660, -101.8700

Conversions

Conversions Part 2

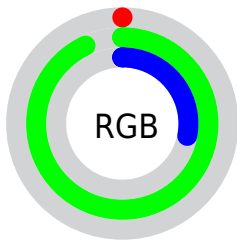
Format	Color
RYB	0, 182, 237
Decimal	60743
CIELab	82.39, -78.37, 63.92
CIELCh	82, 101.132, 140.802
Yxy	61.0233, 0.2895, 0.5623
Android (android.graphics.Color)	4278250823 (0xFF00ED47)
YUV	147.2130, -37.5730, -129.1058
Hunter-Lab	78.1174, -64.9067, 42.4748

Details

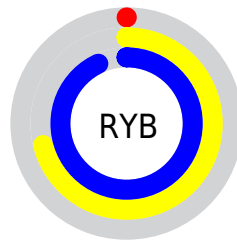
The XYZ color **31.4215, 61.0233, 16.0838** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **41.8096, 20.7586, 37.8807**, and the grayscale version is **27.9998, 29.4580, 32.0798**.

A 20% lighter version of the original color is **46.4008, 76.5630, 32.4112**, and **16.1201, 32.2402, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **31.4228, 61.0258, 16.0847**, and if you desaturate by 10%, it is **32.4002, 61.4594, 19.3023**.

Distribution



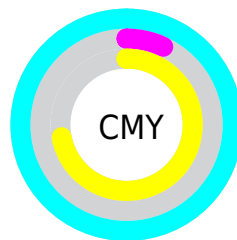
- Red (0%)
- Green (93%)
- Blue (28%)



- Red (0%)
- Yellow (71%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4215, 61.0233, 16.0838 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 31.4215, 61.0233, 16.0838 by changing the saturation by 10% instead.


 31.4215, 61.0233,
16.0838


 31.4215, 61.0233,
16.0838


300.2678,
428.3594, 241.6983

 21.0734, 44.2440,
9.4285


 61.2744, 106.3127,
37.5124

 13.2904, 30.8624,
4.9211


 81.5100, 135.5915,
53.1228


 7.7072, 20.4941,
2.1431


 105.7720,
169.8056, 72.5553

 3.9584, 12.7547,
0.6413

 134.4260,
209.3394, 96.2285

 1.6786, 7.2598,
0.0000

 167.8372,
254.5773, 124.5608

 0.4428, 3.6251,
0.0000

206.3710,

 0.0000, 1.4662,

305.9037, 157.9708

0.0000

250.3928,
363.7029, 196.8771

■ 0.0000, 0.2647,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.4215, 61.0233,
16.0838

■ 31.4215, 61.0233,
16.0838

■ 31.4228, 61.0258,
16.0847

■ 32.4002, 61.4594,
19.3023

■ 33.9856, 62.1884,
23.3639

■ 36.3309, 63.2901,
28.3282

■ 39.5291, 64.8111,
34.2463

■ 43.6587, 66.7911,
41.1655

■ 48.7893, 69.2651,
49.1297

■ 54.9835, 72.2644,
58.1801

■ 62.2985, 75.8178,
68.3560

■ 70.7875, 79.9518,
79.6942

Harmonies

Analogous

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



44.4779, 61.0233, 5.7649



31.4215, 61.0233, 16.0838



25.9264, 61.0233, 49.2009

Triad

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



31.4215, 61.0233, 16.0838



51.6176, 61.0233, 266.3240



106.0784, 61.0233, 32.5465

Complementary

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



31.4215, 61.0233, 16.0838



41.8096, 20.7586, 37.8807

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.



109.3587, 61.0233, 87.3076



31.4215, 61.0233, 16.0838



74.0195, 61.0233, 250.9402

Square

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



31.4215, 61.0233, 16.0838



35.5305, 61.0233, 207.6335



96.4648, 61.0233, 173.3985



88.3756, 61.0233, 10.3467

Rectangle

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



31.4215, 61.0233, 16.0838



26.0445, 61.0233, 91.2953



96.4648, 61.0233, 173.3985



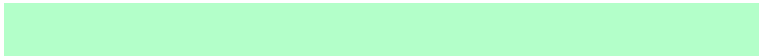
109.0513, 61.0233, 46.5691

Sweetspot

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



31.4229, 61.0258, 16.0852



64.8269, 85.2810, 68.5608



46.8314, 69.1006, 10.8696



13.1807, 17.9168, 13.6739



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.



31.4229, 61.0258, 16.0852



37.0783, 72.0473, 18.8619



39.1116, 64.1013, 56.5732



15.0540, 16.9364, 16.9674



17.2055, 33.3367, 9.0474



1.3922, 2.6342, 0.9270

Inverse Universe

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



41.8096, 20.7586, 37.8807



49.3369, 24.4987, 44.5674



35.5319, 18.2475, 4.8224



15.5114, 15.2324, 17.9784



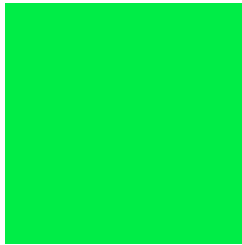
22.8862, 11.3572, 20.9997



1.8392, 0.9087, 1.8708

Previews

White Background



This preview shows how the XYZ color 31.4215, 61.0233, 16.0838 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 31.4215, 61.0233, 16.0838 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 31.4215, 61.0233, 16.0838

Background



This preview shows how black text looks on a background with the XYZ color 31.4215, 61.0233, 16.0838.

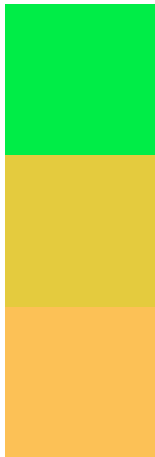


This preview shows how white text looks on a background with the XYZ color 31.4215, 61.0233,

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

31.4215, 61.0233, 16.0838

Protanopia

54.2203, 59.5537, 13.1947

Deuteranopia

60.8946, 59.5073, 17.0807



Tritanopia

46.3662, 60.4863, 90.8926

Trichromacy



Original Color

31.4215, 61.0233, 16.0838



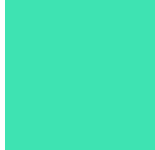
Protanomaly

36.9316, 55.0023, 13.6710



Deuteranomaly

38.7829, 53.6686, 16.0996



Tritanomaly

37.4916, 59.1767, 51.5657

Monochromacy



Original Color

31.4215, 61.0233, 16.0838



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.2671, 36.3541, 23.1908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4215, 61.0233, 16.0838 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 71) }
```

Border

The CSS property to change the border of an element to XYZ 31.4215, 61.0233, 16.0838 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, 71) }
```


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

```
.border{ border-color:rgb(0, 237, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.4215, 61.0233, 16.0838 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, 71) }
```

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

```
.background{ background-color: rgb(0, 237,  
71) }
```

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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