

Converting Colors

XYZ(31.2191, 61.0119, 14.8037)

Have a look what the booklet for
XYZ(31.2191, 61.0119, 14.8037)
contains.

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Color

**XYZ(31.1814, 60.9273,
14.8193)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED3F
RGB	0, 237, 63
RGB Percent	0%, 93%, 25%
CMY	1.0000, 0.0706, 0.7529
CMYK	1.00, 0.00, 0.73, 0.07
HSL	136°, 100%, 46%
HSV	136°, 100%, 93%
XYZ	31.1814, 60.9273, 14.8193
YIQ	146.3010, -85.3980, -104.3580

Conversions

Conversions Part 2

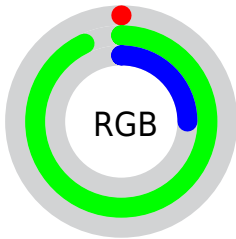
Format	Color
RYB	0, 187, 237
Decimal	60735
CIELab	82.34, -79.03, 66.67
CIELCh	82, 103.401, 139.849
Yxy	60.9273, 0.2916, 0.5698
Android (android.graphics.Color)	4278250815 (0xFF00ED3F)
YUV	146.3010, -41.0674, -128.3060
Hunter-Lab	78.0559, -65.2916, 43.3827

Details

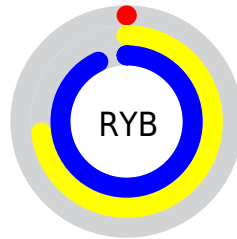
The XYZ color **31.1814, 60.9273, 14.8193** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **42.5666, 21.0614, 41.8667**, and the grayscale version is **27.6354, 29.0746, 31.6623**.

A 20% lighter version of the original color is **46.0212, 76.4112, 30.4124**, and **16.1201, 32.2402, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **31.1827, 60.9298, 14.8203**, and if you desaturate by 10%, it is **32.1181, 61.3466, 17.8167**.

Distribution



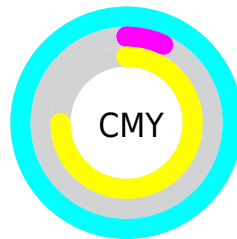
- Red (0%)
- Green (93%)
- Blue (25%)



- Red (0%)
- Yellow (73%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1814, 60.9273, 14.8193 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 31.1814, 60.9273, 14.8193 by changing the saturation by 10% instead.


 31.1814, 60.9273,
14.8193


 31.1814, 60.9273,
14.8193


299.1851,
428.0074, 233.8729


 20.8895, 44.1665,
8.5475


 60.8995, 106.1737,
35.2737


 13.1553, 30.8014,
4.3544


 81.0563, 135.4280,
50.2933


 7.6133, 20.4477,
1.8217

 105.2323,
169.6157, 69.0659

 3.8982, 12.7209,
0.4422

 133.7926,
209.1210, 92.0100

 1.6447, 7.2366,
0.0000

 167.1027,
254.3285, 119.5443

 0.4213, 3.6105,
0.0000

205.5279,

 0.0000, 1.4582,

305.6224, 152.0871

0.0000

249.4336,
363.3873, 190.0571

■ 0.0000, 0.2590,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.1814, 60.9273,
14.8193

■ 31.1814, 60.9273,
14.8193

■ 31.1827, 60.9298,
14.8203

■ 32.1181, 61.3466,
17.8167

■ 33.6719, 62.0630,
21.7121

■ 35.9980, 63.1569,
26.5752

■ 39.1910, 64.6759,
32.4661

■ 43.3310, 66.6601,
39.4398

■ 48.4888, 69.1449,
47.5472

■ 54.7282, 72.1623,
56.8362

■ 62.1076, 75.7415,
67.3516

■ 70.6813, 79.9094,
79.1360

Harmonies

Analogous

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



44.6791, 60.9273, 5.1423



31.1814, 60.9273, 14.8193



25.4087, 60.9273, 47.1648

Triad

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



31.1814, 60.9273, 14.8193



50.7568, 60.9273, 271.8819



107.6172, 60.9273, 33.0736

Complementary

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



31.1814, 60.9273, 14.8193



42.5666, 21.0614, 41.8667

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.



110.4444, 60.9273, 90.1127



31.1814, 60.9273, 14.8193



73.5237, 60.9273, 258.5077

Square

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



31.1814, 60.9273, 14.8193



34.6559, 60.9273, 209.0718



96.7172, 60.9273, 179.4104



89.7600, 60.9273, 10.0940

Rectangle

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



31.1814, 60.9273, 14.8193



25.3862, 60.9273, 89.3406



96.7172, 60.9273, 179.4104



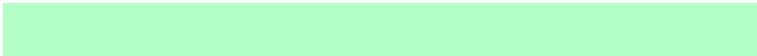
110.5042, 60.9273, 47.6695

Sweetspot

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



31.1828, 60.9298, 14.8207



64.5249, 85.1602, 66.9700



48.5891, 70.0067, 10.9518



13.1106, 17.8888, 13.3050



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.



31.1828, 60.9298, 14.8207



36.7969, 71.9348, 17.3804



38.2967, 63.7753, 52.2815



15.0327, 16.9279, 16.8553



17.0702, 33.2826, 8.3348



1.3792, 2.6290, 0.8586

Inverse Universe

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



42.5666, 21.0614, 41.8667



50.2324, 24.8569, 49.2832



35.7225, 18.3237, 5.8263



15.5339, 15.2414, 18.0970



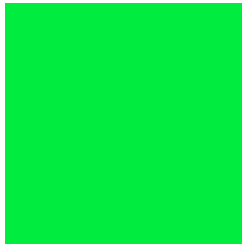
23.2959, 11.5211, 23.1575



1.8687, 0.9205, 2.0261

Previews

White Background



This preview shows how the XYZ color 31.1814, 60.9273, 14.8193 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 31.1814, 60.9273, 14.8193 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 31.1814, 60.9273, 14.8193

Background



This preview shows how black text looks on a background with the XYZ color 31.1814, 60.9273, 14.8193.



This preview shows how white text looks on a background with the XYZ color 31.1814, 60.9273,

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

31.1814, 60.9273, 14.8193

Protanopia

54.0167, 59.4722, 12.1223

Deuteranopia

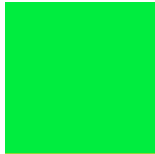
60.6628, 59.4146, 15.8603



Tritanopia

46.3662, 60.4863, 90.8926

Trichromacy



Original Color

31.1814, 60.9273, 14.8193



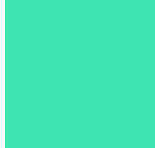
Protanomaly

36.7160, 54.9160, 12.5356



Deuteranomaly

38.5337, 53.5689, 14.7875



Tritanomaly

37.1936, 59.0574, 49.9964

Monochromacy



Original Color

31.1814, 60.9273, 14.8193



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.7867, 35.8283, 22.1849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1814, 60.9273, 14.8193 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 63) }
```

Border

The CSS property to change the border of an element to XYZ 31.1814, 60.9273, 14.8193 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, 63) }
```


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

```
.border{ border-color:rgb(0, 237, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 63);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.1814, 60.9273, 14.8193 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, 63) }
```

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

```
.background{ background-color: rgb(0, 237,  
63) }
```

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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