

Converting Colors

XYZ(31.3991, 61.1348, 11.3963)

Have a look what the booklet for
XYZ(31.3991, 61.1348, 11.3963)
contains.

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Color

**XYZ(31.3936, 61.1132,
11.3697)**

Conversions

Conversions Part 1

Format	Color
Hex	28ED1E
RGB	40, 237, 30
RGB Percent	16%, 93%, 12%
CMY	0.8431, 0.0706, 0.8823
CMYK	0.83, 0.00, 0.87, 0.07
HSL	117°, 85%, 52%
HSV	117°, 87%, 93%
XYZ	31.3936, 61.1132, 11.3697
YIQ	154.4990, -50.9650, -106.1410

Conversions

Conversions Part 2

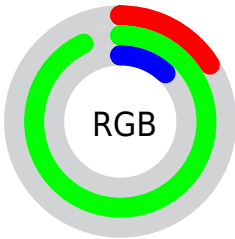
Format	Color
RYB	30, 237, 227
Decimal	2682142
CIELab	82.44, -78.68, 75.54
CIELCh	82, 109.078, 136.167
Yxy	61.1132, 0.3022, 0.5883
Android (android.graphics.Color)	4280872222 (0xFF28ED1E)
YUV	154.4990, -61.3780, -100.4156
Hunter-Lab	78.1749, -65.1238, 46.0994

Details

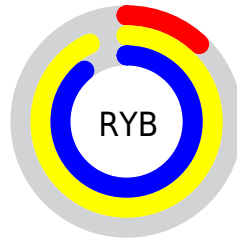
The XYZ color **31.3936, 61.1132, 11.3697** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **47.4355, 23.3777, 82.1362**, and the grayscale version is **31.2147, 32.8403, 35.7631**.

A 20% lighter version of the original color is **46.4221, 76.7618, 23.9251**, and **16.1201, 32.2402, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **30.5592, 60.7079, 10.2885**, and if you desaturate by 10%, it is **32.9663, 61.8767, 13.6609**.

Distribution



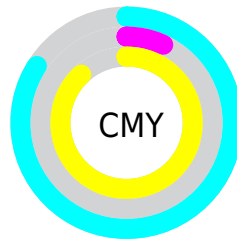
- Red (16%)
- Green (93%)
- Blue (12%)



- Red (12%)
- Yellow (93%)
- Blue (89%)



- Cyan (83%)
- Magenta (0%)
- Yellow (87%)
- Black (7%)





- Cyan (84%)
- Magenta (7%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3936, 61.1132, 11.3697 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 31.3936, 61.1132, 11.3697 by changing the saturation by 10% instead.

 31.3936, 61.1132,
11.3697


 31.3936, 61.1132,
11.3697


300.1422,
428.6889, 211.0143


 21.0520, 44.3165,
6.1988


 61.2309, 106.4428,
28.9888

 13.2747, 30.9194,
2.8956


 81.4573, 135.7446,
42.2741


 7.6963, 20.5375,
1.0416


 105.7094,
169.9835, 59.1013

 3.9514, 12.7864,
0.0000

 134.3525,
209.5439, 79.8889

 1.6747, 7.2816,
0.0000

 167.7519,
254.8103, 105.0555

 0.4403, 3.6388,
0.0000

 206.2731,

 0.0000, 1.4737,

306.1670, 135.0195

0.0000

250.2814,
363.9984, 170.1996

■ 0.0000, 0.2701,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3936, 61.1132,
11.3697

■ 31.3936, 61.1132,
11.3697

■ 30.5592, 60.7079,
10.2885


■ 32.9663, 61.8767,
13.6609


■ 30.4292, 60.6450,
10.1019


■ 35.3964, 63.0492,
17.4024


■ 38.7845, 64.6802,
22.7820


■ 43.2163, 66.8107,
29.9584

 48.7681, 69.4768,
39.0717

 55.5088, 72.7113,
50.2480

 63.5020, 76.5446,
63.6028

 72.8066, 81.0048,
79.2430

 83.4779, 86.1181,
97.2687

Harmonies

Analogous

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



46.4848, 61.1132, 3.7307



31.3936, 61.1132, 11.3697



24.5428, 61.1132, 40.3390

Triad

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



31.3936, 61.1132, 11.3697



48.0203, 61.1132, 285.0262



112.6094, 61.1132, 36.8311

Complementary

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



31.3936, 61.1132, 11.3697



47.4355, 23.3777, 82.1362

Split Complementary

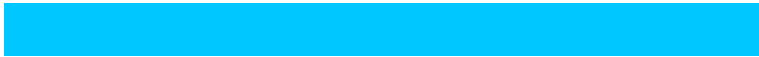
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.3451, 61.1132, 102.1721



31.3936, 61.1132, 11.3697



71.4733, 61.1132, 281.4745

Square

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



31.3936, 61.1132, 11.3697



32.2573, 61.1132, 208.6241



96.7639, 61.1132, 200.8099



94.9624, 61.1132, 10.2696

Rectangle

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



31.3936, 61.1132, 11.3697



23.9618, 61.1132, 81.2970



96.7639, 61.1132, 200.8099



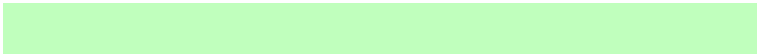
114.9771, 61.1132, 53.6897

Sweetspot

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



31.3950, 61.1157, 11.3711



66.6254, 86.3744, 61.1339



62.5357, 72.8485, 11.9944



13.6195, 18.1801, 12.0184



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.



31.3950, 61.1157, 11.3711



35.9159, 71.6004, 11.9273



34.4064, 62.2811, 28.9994



14.9355, 16.8968, 15.9929



16.6434, 33.1245, 5.5165



1.3307, 2.6133, 0.4343

Inverse Universe

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



47.4355, 23.3777, 82.1362



54.9077, 26.2209, 96.7749



40.4143, 20.9438, 28.2414



15.6388, 15.2746, 19.0463



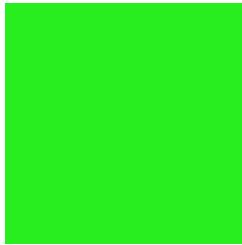
25.4281, 12.1446, 44.7469



2.0189, 0.9651, 3.5147

Previews

White Background



This preview shows how the XYZ color 31.3936, 61.1132, 11.3697 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 31.3936, 61.1132, 11.3697 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 31.3936, 61.1132, 11.3697

Background



This preview shows how black text looks on a background with the XYZ color 31.3936, 61.1132, 11.3697.



This preview shows how white text looks on a background with the XYZ color 31.3936, 61.1132,

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

31.3936, 61.1132, 11.3697

Protanopia

54.0151, 59.8874, 9.2848

Deuteranopia

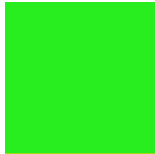
61.0737, 59.7054, 12.3084



Tritanopia

46.8515, 60.3627, 90.0708

Trichromacy



Original Color

31.3936, 61.1132, 11.3697



Protanomaly

39.1979, 56.6432, 9.6264



Deuteranomaly

41.4654, 55.1614, 11.2581



Tritanomaly

37.1113, 58.7507, 43.5665

Monochromacy



Original Color

31.3936, 61.1132, 11.3697



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.9735, 39.3344, 20.9225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3936, 61.1132, 11.3697 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(40, 237, 30)` looks like.

```
.text, #text, p{  
    color:rgb(40, 237, 30)  
}
```

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(40, 237, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 237, 30) }
```

Border

The CSS property to change the border of an element to XYZ 31.3936, 61.1132, 11.3697 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(40, 237, 30) }
```


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

```
.border{ border-color:rgb(40, 237, 30) }
```

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

Here you see how a box with a 4 pixel rgb(40, 237, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 237, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 237, 30);  
box-shadow:4px 4px 4px 4px rgb(40, 237,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3936, 61.1132, 11.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 237, 30) }
```

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

```
.background{ background-color: rgb(40, 237,  
30) }
```

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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