

Converting Colors

XYZ(31.5062, 62.9352, 10.7400)

Have a look what the booklet for
XYZ(31.5062, 62.9352, 10.7400)
contains.

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Color

**XYZ(31.5046, 62.9303,
10.7448)**

Conversions

Conversions Part 1

Format	Color
Hex	00F109
RGB	0, 241, 9
RGB Percent	0%, 95%, 4%
CMY	1.0000, 0.0549, 0.9646
CMYK	1.00, 0.00, 0.96, 0.05
HSL	122°, 100%, 47%
HSV	122°, 100%, 95%
XYZ	31.5046, 62.9303, 10.7448
YIQ	142.4930, -69.1640, -123.2440

Conversions

Conversions Part 2

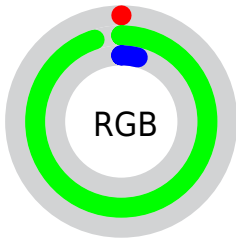
Format	Color
RYB	0, 232, 241
Decimal	61705
CIELab	83.41, -82.44, 78.97
CIELCh	83, 114.160, 136.233
Yxy	62.9303, 0.2995, 0.5983
Android (android.graphics.Color)	4278251785 (0xFF00F109)
YUV	142.4930, -65.8120, -124.9664
Hunter-Lab	79.3286, -67.9355, 47.4994

Details

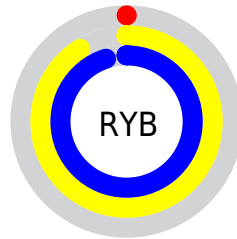
The XYZ color **31.5046, 62.9303, 10.7448** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **50.8380, 24.5259, 78.3745**, and the grayscale version is **26.1826, 27.5461, 29.9977**.

A 20% lighter version of the original color is **44.8508, 75.9883, 22.2009**, and **16.9335, 33.8670, 5.6445** is the 20% darker color. If you saturate the color by 10%, you get **31.5061, 62.9329, 10.7462**, and if you desaturate by 10%, it is **32.0995, 63.2141, 11.8929**.

Distribution



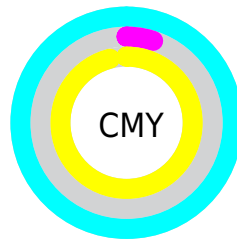
- Red (0%)
- Green (95%)
- Blue (4%)



- Red (0%)
- Yellow (91%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5046, 62.9303, 10.7448 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 31.5046, 62.9303, 10.7448 by changing the saturation by 10% instead.


 31.5046, 62.9303,
10.7448


 31.5046, 62.9303,
10.7448


300.6419,
435.3165, 206.5824


 21.1371, 45.7848,
5.7835


 61.4041, 109.0689,
27.8167

 13.3373, 32.0761,
2.6472


 81.6668, 138.8309,
40.7643


 7.7398, 21.4196,
0.9167


 105.9586,
173.5672, 57.2112

 3.9793, 13.4311,
0.0000

 134.6449,
213.6621, 77.5758

 1.6904, 7.7260,
0.0000

 168.0910,
259.5001, 102.2767

 0.4503, 3.9202,
0.0000

 206.6623,

 0.0000, 1.6290,

311.4656, 131.7324

0.0000

250.7241,
369.9429, 166.3615

■ 0.0000, 0.3770,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.5046, 62.9303,
10.7448

■ 31.5046, 62.9303,
10.7448

■ 31.5061, 62.9329,
10.7462

■ 32.0995, 63.2141,
11.8929

■ 33.3849, 63.8264,
14.2289

■ 35.5493, 64.8615,
17.9720

■ 38.7123, 66.3776,
23.2963

■ 42.9751, 68.4234,
30.3509

■ 48.4262, 71.0418,
39.2673

■ 55.1453, 74.2714,
50.1646

■ 63.2051, 78.1473,
63.1519

■ 72.6729, 82.7020,
78.3305

Harmonies

Analogous

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



47.4192, 62.9303, 3.2095



31.5046, 62.9303, 10.7448



24.3579, 62.9303, 40.8291

Triad

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



31.5046, 62.9303, 10.7448



49.1424, 62.9303, 306.0980



118.4599, 62.9303, 36.9291

Complementary

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



31.5046, 62.9303, 10.7448



50.8380, 24.5259, 78.3745

Split Complementary

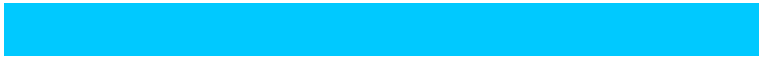
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.3019, 62.9303, 106.5411



31.5046, 62.9303, 10.7448



74.1984, 62.9303, 301.9791

Square

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



31.5046, 62.9303, 10.7448



32.4632, 62.9303, 222.5887



101.4082, 62.9303, 213.5721



99.3532, 62.9303, 9.5779

Rectangle

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



31.5046, 62.9303, 10.7448



23.7635, 62.9303, 84.4878



101.4082, 62.9303, 213.5721



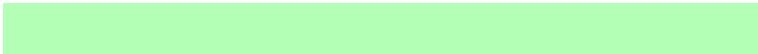
121.0387, 62.9303, 54.7033

Sweetspot

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



31.5061, 62.9329, 10.7462



62.6134, 84.3956, 56.9044



65.0513, 80.2318, 12.0577



12.6729, 17.7137, 10.9999



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.



31.5061, 62.9329, 10.7462



35.8124, 71.5410, 12.1958



35.3882, 64.4858, 31.1892



15.5899, 17.6660, 16.8634



17.0952, 34.1301, 5.8844



1.4305, 2.8427, 0.5337

Inverse Universe

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



50.8380, 24.5259, 78.3745



57.7885, 27.8794, 89.0733



39.2279, 19.8818, 17.2364



16.4272, 16.0206, 19.8057



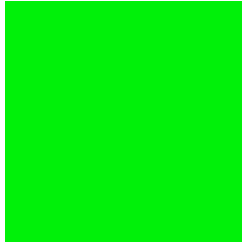
27.5790, 13.3040, 42.5611



2.3023, 1.1099, 3.5825

Previews

White Background



This preview shows how the XYZ color 31.5046, 62.9303, 10.7448 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 31.5046, 62.9303, 10.7448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

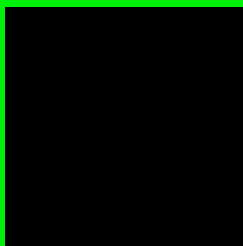
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

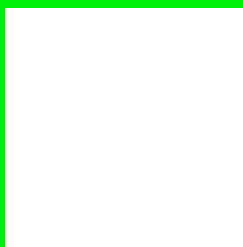
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5046, 62.9303, 10.7448

Background



This preview shows how black text looks on a background with the XYZ color 31.5046, 62.9303, 10.7448.



This preview shows how white text looks on a background with the XYZ color 31.5046, 62.9303,

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

31.5046, 62.9303, 10.7448

Protanopia

55.3500, 61.2984, 8.9145

Deuteranopia

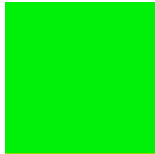
62.4279, 61.3190, 16.1349



Tritanopia

48.0495, 62.4888, 93.5335

Trichromacy



Original Color

31.5046, 62.9303, 10.7448



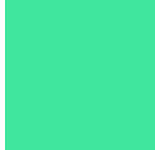
Protanomaly

37.5607, 56.9655, 9.1019



Deuteranomaly

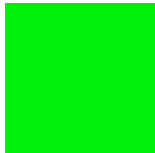
39.1096, 55.0347, 12.0515



Tritanomaly

36.4970, 60.1179, 41.5786

Monochromacy



Original Color

31.5046, 62.9303, 10.7448



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.1572, 34.8226, 16.1433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5046, 62.9303, 10.7448 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, 241, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 9)  
}
```

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, 241, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 9) }
```

Border

The CSS property to change the border of an element to XYZ 31.5046, 62.9303, 10.7448 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, 241, 9) }
```


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

```
.border{ border-color:rgb(0, 241, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 241, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 241, 9); box-shadow:4px  
4px 4px 4px rgb(0, 241, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5046, 62.9303, 10.7448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 9) }
```

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

```
.background{ background-color: rgb(0, 241,  
9) }
```

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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