

Converting Colors

XYZ(31.0973, 62.1539, 10.4911)

Have a look what the booklet for
XYZ(31.0973, 62.1539, 10.4911)
contains.

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Color

**XYZ(31.1875, 62.3311,
10.5309)**

Conversions

Conversions Part 1

Format	Color
Hex	00F005
RGB	0, 240, 5
RGB Percent	0%, 94%, 2%
CMY	1.0000, 0.0588, 0.9803
CMYK	1.00, 0.00, 0.98, 0.06
HSL	121°, 100%, 47%
HSV	121°, 100%, 94%
XYZ	31.1875, 62.3311, 10.5309
YIQ	141.4500, -67.6050, -123.9650

Conversions

Conversions Part 2

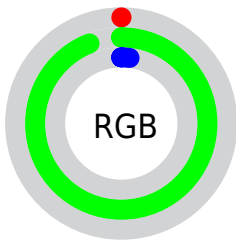
Format	Color
RYB	0, 235, 240
Decimal	61445
CIELab	83.09, -82.24, 79.04
CIELCh	83, 114.065, 136.138
Yxy	62.3311, 0.2997, 0.5991
Android (android.graphics.Color)	4278251525 (0xFF00F005)
YUV	141.4500, -67.2698, -124.0516
Hunter-Lab	78.9500, -67.6500, 47.3565

Details

The XYZ color **31.1875, 62.3311, 10.5309** 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 **50.9286, 24.5229, 80.6281**, and the grayscale version is **25.7731, 27.1153, 29.5286**.

A 20% lighter version of the original color is **44.8079, 75.9712, 21.9751**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.1889, 62.3336, 10.5322**, and if you desaturate by 10%, it is **31.7541, 62.6033, 11.5422**.

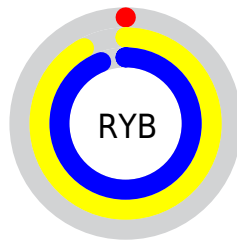
Distribution



Red (0%)

Green (94%)

Blue (2%)



Red (0%)

Yellow (92%)

Blue (94%)

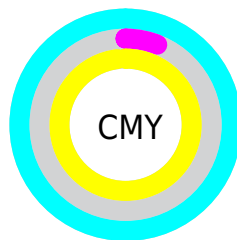


Cyan (100%)

Magenta (0%)

Yellow (98%)

Black (6%)



Cyan (100%)

Magenta (6%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1875, 62.3311, 10.5309 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 31.1875, 62.3311, 10.5309 by changing the saturation by 10% instead.

■ 31.1875, 62.3311,
10.5309

■ 31.1875, 62.3311,
10.5309

299.2127,
433.1378, 205.0409

■ 20.8942, 45.3003,
5.6422

■ 60.9090, 108.2039,
27.4127

■ 13.1587, 31.6940,
2.5635

■ 81.0679, 137.8147,
40.2428

■ 7.6157, 21.1279,
0.8735

■ 105.2460,
172.3876, 56.5571

■ 3.8997, 13.2175,
0.0000

■ 133.8087,
212.3071, 76.7742

■ 1.6456, 7.5785,
0.0000

■ 167.1214,
257.9574, 101.3126

■ 0.4218, 3.8264,
0.0000

■ 205.5494,

■ 0.0000, 1.5770,

309.7230, 130.5908

0.0000

249.4580,
367.9884, 165.0274

■ 0.0000, 0.3420,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.1875, 62.3311,
10.5309

■ 31.1875, 62.3311,
10.5309

■ 31.1889, 62.3336,
10.5322

■ 31.7541, 62.6033,
11.5422

■ 33.0010, 63.1993,
13.7115

■ 35.1223, 64.2158,
17.2951

■ 38.2391, 65.7111,
22.4783

■ 42.4532, 67.7343,
29.4185

■ 47.8539, 70.3285,
38.2542

■ 54.5213, 73.5323,
49.1101

■ 62.5287, 77.3810,
62.1004

■ 71.9435, 81.9072,
77.3305

Harmonies

Analogous

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



47.0058, 62.3311, 3.1309



31.1875, 62.3311, 10.5309



24.0766, 62.3311, 40.2312

Triad

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



31.1875, 62.3311, 10.5309



48.5839, 62.3311, 303.8830



117.5365, 62.3311, 36.6619

Complementary

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



31.1875, 62.3311, 10.5309



50.9286, 24.5229, 80.6281

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.



118.3086, 62.3311, 105.9243



31.1875, 62.3311, 10.5309



73.4405, 62.3311, 300.1024

Square

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



31.1875, 62.3311, 10.5309



32.0647, 62.3311, 220.6342



100.4800, 62.3311, 212.3614



98.5959, 62.3311, 9.4665

Rectangle

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



31.1875, 62.3311, 10.5309



23.4725, 62.3311, 83.4651



100.4800, 62.3311, 212.3614



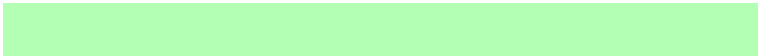
120.0781, 62.3311, 54.3460

Sweetspot

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



31.1889, 62.3337, 10.5323



62.4837, 84.3437, 56.2217



65.7548, 80.1562, 12.0062



12.6436, 17.7020, 10.8456



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.



31.1889, 62.3337, 10.5323



35.7893, 71.5317, 12.0741



34.7997, 63.7780, 29.5465



15.5793, 17.6618, 16.8077



17.0786, 34.1235, 5.7968



1.4255, 2.8406, 0.5069

Inverse Universe

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



50.9286, 24.5229, 80.6281



58.4416, 28.1407, 92.5126



39.0893, 19.7871, 18.2834



16.4391, 16.0254, 19.8687



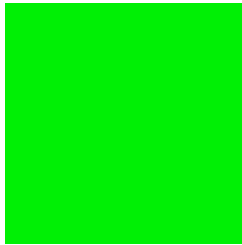
27.8846, 13.4263, 44.1702



2.3243, 1.1188, 3.6984

Previews

White Background



This preview shows how the XYZ color 31.1875, 62.3311, 10.5309 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 31.1875, 62.3311, 10.5309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

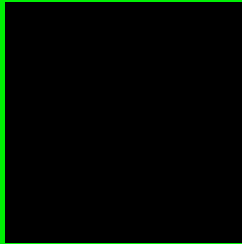
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

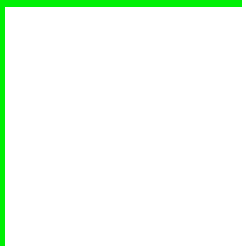
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1875, 62.3311, 10.5309

Background



This preview shows how black text looks on a background with the XYZ color 31.1875, 62.3311, 10.5309.



This preview shows how white text looks on a background with the XYZ color 31.1875, 62.3311,

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

31.1875, 62.3311, 10.5309

Protanopia

54.7863, 60.6516, 8.8194

Deuteranopia

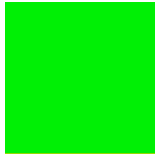
61.9577, 60.7713, 14.7678



Tritanopia

47.6317, 61.8929, 92.6552

Trichromacy



Original Color

31.1875, 62.3311, 10.5309



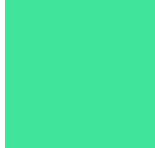
Protanomaly

37.1150, 56.3502, 8.9780



Deuteranomaly

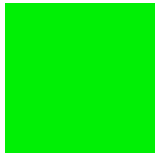
38.7281, 54.4833, 11.2715



Tritanomaly

36.0501, 59.4952, 40.5940

Monochromacy



Original Color

31.1875, 62.3311, 10.5309



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

21.8704, 34.3906, 15.6106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1875, 62.3311, 10.5309 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, 240, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 5)  
}
```

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, 240, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 5) }
```

Border

The CSS property to change the border of an element to XYZ 31.1875, 62.3311, 10.5309 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, 240, 5) }
```


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

```
.border{ border-color:rgb(0, 240, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 240, 5); box-shadow:4px  
4px 4px 4px rgb(0, 240, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1875, 62.3311, 10.5309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 5) }
```

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

```
.background{ background-color: rgb(0, 240,  
5) }
```

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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