

Converting Colors

XYZ(31.3092, 62.2386, 11.6073)

Have a look what the booklet for
XYZ(31.3092, 62.2386, 11.6073)
contains.

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Color

**XYZ(31.3944, 62.4139,
11.6207)**

Conversions

Conversions Part 1

Format	Color
Hex	00F01E
RGB	0, 240, 30
RGB Percent	0%, 94%, 12%
CMY	1.0000, 0.0588, 0.8823
CMYK	1.00, 0.00, 0.87, 0.06
HSL	128°, 100%, 47%
HSV	128°, 100%, 94%
XYZ	31.3944, 62.4139, 11.6207
YIQ	144.3000, -75.6300, -116.1900

Conversions

Conversions Part 2

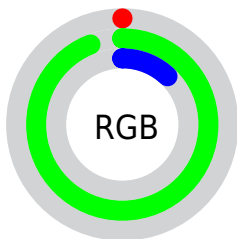
Format	Color
RYB	0, 213, 240
Decimal	61470
CIELab	83.13, -81.67, 76.05
CIELCh	83, 111.596, 137.041
Yxy	62.4139, 0.2978, 0.5920
Android (android.graphics.Color)	4278251550 (0xFF00F01E)
YUV	144.3000, -56.3499, -126.5511
Hunter-Lab	79.0025, -67.3211, 46.5806

Details

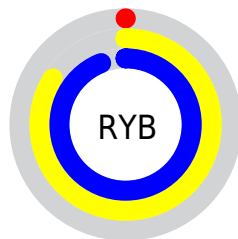
The XYZ color **31.3944, 62.4139, 11.6207** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **47.5682, 23.1787, 62.9330**, and the grayscale version is **26.8743, 28.2739, 30.7903**.

A 20% lighter version of the original color is **45.0824, 76.0657, 24.1104**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.3959, 62.4165, 11.6221**, and if you desaturate by 10%, it is **32.1359, 62.7560, 13.5529**.

Distribution



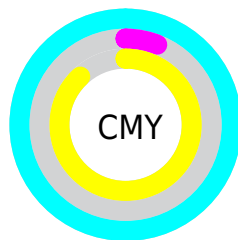
- Red (0%)
- Green (94%)
- Blue (12%)



- Red (0%)
- Yellow (84%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3944, 62.4139, 11.6207 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 31.3944, 62.4139, 11.6207 by changing the saturation by 10% instead.


 31.3944, 62.4139,
11.6207


 31.3944, 62.4139,
11.6207


300.1458,
433.4393, 212.7658


 21.0527, 45.3672,
6.3666


 61.2321, 108.3235,
29.4564

 13.2752, 31.7468,
2.9969

 81.4588, 137.9552,
42.8750


 7.6966, 21.1682,
1.0930


 105.7112,
172.5508, 59.8522

 3.9516, 13.2470,
0.0000

 134.3546,
212.4945, 80.8065

 1.6748, 7.5988,
0.0000

 167.7544,
258.1708, 106.1565

 0.4404, 3.8393,
0.0000

 206.2759,

 0.0000, 1.5841,

309.9641, 136.3207

0.0000

250.2846,
368.2588, 171.7176

■ 0.0000, 0.3468,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3944, 62.4139,
11.6207

■ 31.3944, 62.4139,
11.6207

■ 31.3959, 62.4165,
11.6221

■ 32.1359, 62.7560,
13.5529

■ 33.5504, 63.4191,
16.6058

■ 35.8102, 64.4910,
20.9192

■ 39.0232, 66.0247,
26.6100

■ 43.2812, 68.0654,
33.7819

■ 48.6648, 70.6528,
42.5286

■ 55.2470, 73.8225,
52.9361

■ 63.0942, 77.6071,
65.0841

■ 72.2683, 82.0369,
79.0472

Harmonies

Analogous

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



46.7177, 62.4139, 3.6051



31.3944, 62.4139, 11.6207



24.5773, 62.4139, 42.2637

Triad

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



31.3944, 62.4139, 11.6207



49.4976, 62.4139, 297.7296



115.7815, 62.4139, 35.9371

Complementary

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



31.3944, 62.4139, 11.6207



47.5682, 23.1787, 62.9330

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.



117.1246, 62.4139, 102.3948



31.3944, 62.4139, 11.6207



74.0123, 62.4139, 291.2087

Square

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



31.3944, 62.4139, 11.6207



32.9508, 62.4139, 219.3388



100.2535, 62.4139, 205.0227



96.9694, 62.4139, 9.6755

Rectangle

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



31.3944, 62.4139, 11.6207



24.1171, 62.4139, 85.6148



100.2535, 62.4139, 205.0227



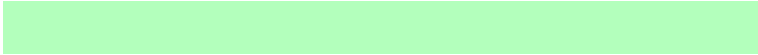
118.4412, 62.4139, 52.9130

Sweetspot

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



31.3959, 62.4165, 11.6221



63.3194, 84.6780, 60.6220



58.3138, 76.3203, 11.6578



12.8333, 17.7779, 11.8449



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.



31.3959, 62.4165, 11.6221



36.0192, 71.6237, 13.2850



36.5068, 64.4609, 38.5362



15.6463, 17.6886, 17.1605



17.2118, 34.1767, 6.4982



1.4575, 2.8534, 0.6754

Inverse Universe

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



47.5682, 23.1787, 62.9330



54.5742, 26.5937, 72.1468



37.8685, 19.2987, 11.8547



16.3642, 15.9954, 19.4741



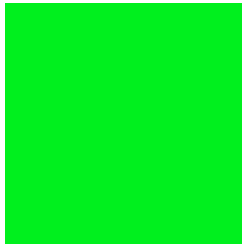
26.0727, 12.7015, 34.6292



2.1926, 1.0661, 3.0053

Previews

White Background



This preview shows how the XYZ color 31.3944, 62.4139, 11.6207 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 31.3944, 62.4139, 11.6207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

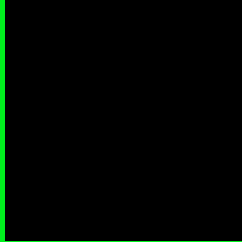
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

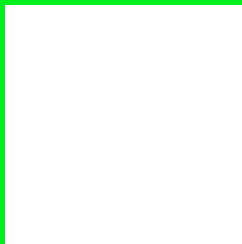
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3944, 62.4139, 11.6207

Background



This preview shows how black text looks on a background with the XYZ color 31.3944, 62.4139, 11.6207.



This preview shows how white text looks on a background with the XYZ color 31.3944, 62.4139,

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

31.3944, 62.4139, 11.6207

Protanopia

55.1355, 61.1752, 9.4743

Deuteranopia

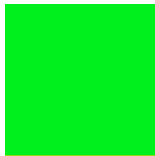
62.0251, 60.7982, 15.1228



Tritanopia

47.5204, 61.8356, 92.6500

Trichromacy



Original Color

31.3944, 62.4139, 11.6207



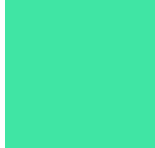
Protanomaly

37.2488, 56.4038, 9.6829



Deuteranomaly

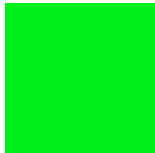
38.9840, 54.5857, 12.6191



Tritanomaly

36.8345, 59.8089, 44.7249

Monochromacy



Original Color

31.3944, 62.4139, 11.6207



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

22.9819, 35.4948, 18.4719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3944, 62.4139, 11.6207 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 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(0, 240, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 30) }
```

Border

The CSS property to change the border of an element to XYZ 31.3944, 62.4139, 11.6207 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, 30) }
```


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

```
.border{ border-color:rgb(0, 240, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 30);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 30)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.3944, 62.4139, 11.6207 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, 30) }
```

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

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