

Converting Colors

XYZ(31.1232, 62.1642, 10.6276)

Have a look what the booklet for
XYZ(31.1232, 62.1642, 10.6276)
contains.

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Color

**XYZ(31.2094, 62.3399,
10.6463)**

Conversions

Conversions Part 1

Format	Color
Hex	00F009
RGB	0, 240, 9
RGB Percent	0%, 94%, 4%
CMY	1.0000, 0.0588, 0.9646
CMYK	1.00, 0.00, 0.96, 0.06
HSL	122°, 100%, 47%
HSV	122°, 100%, 94%
XYZ	31.2094, 62.3399, 10.6463
YIQ	141.9060, -68.8890, -122.7210

Conversions

Conversions Part 2

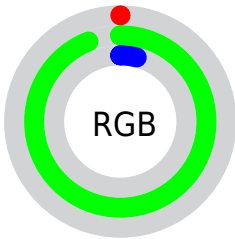
Format	Color
RYB	0, 231, 240
Decimal	61449
CIELab	83.09, -82.18, 78.71
CIELCh	83, 113.796, 136.235
Yxy	62.3399, 0.2995, 0.5983
Android (android.graphics.Color)	4278251529 (0xFF00F009)
YUV	141.9060, -65.5227, -124.4516
Hunter-Lab	78.9556, -67.6153, 47.2743

Details

The XYZ color **31.2094, 62.3399, 10.6463** 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 **50.3566, 24.2940, 77.6165**, and the grayscale version is **25.9474, 27.2986, 29.7282**.

A 20% lighter version of the original color is **44.8508, 75.9883, 22.2009**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.2108, 62.3425, 10.6477**, and if you desaturate by 10%, it is **31.8006, 62.6219, 11.7869**.

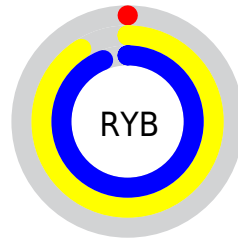
Distribution



Red (0%)

Green (94%)

Blue (4%)



Red (0%)

Yellow (91%)

Blue (94%)

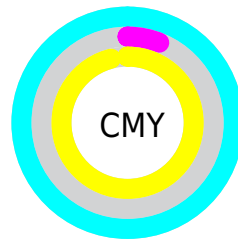


Cyan (100%)

Magenta (0%)

Yellow (96%)

Black (6%)



Cyan (100%)


Magenta (6%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2094, 62.3399, 10.6463 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 31.2094, 62.3399, 10.6463 by changing the saturation by 10% instead.


 31.2094, 62.3399,
10.6463


 31.2094, 62.3399,
10.6463


299.3115,
433.1699, 205.8742


 20.9110, 45.3074,
5.7184


 60.9432, 108.2166,
27.6308

 13.1710, 31.6996,
2.6086


 81.1093, 137.8297,
40.5245


 7.6242, 21.1322,
0.8969


 105.2953,
172.4050, 56.9105

 3.9052, 13.2207,
0.0000

 133.8665,
212.3270, 77.2073

 1.6487, 7.5807,
0.0000

 167.1885,
257.9801, 101.8336

 0.4238, 3.8278,
0.0000

 205.6264,

 0.0000, 1.5777,

309.7487, 131.2078

0.0000

249.5456,
368.0171, 165.7485

■ 0.0000, 0.3425,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.2094, 62.3399,
10.6463

■ 31.2094, 62.3399,
10.6463

■ 31.2108, 62.3425,
10.6477

■ 31.8006, 62.6219,
11.7869

■ 33.0754, 63.2291,
14.1042

■ 35.2208, 64.2552,
17.8150

■ 38.3552, 65.7575,
23.0915

■ 42.5786, 67.7844,
30.0809

■ 47.9786, 70.3783,
38.9137

■ 54.6341, 73.5774,
49.7075

■ 62.6172, 77.4163,
62.5703

■ 71.9942, 81.9274,
77.6022

Harmonies

Analogous

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



46.9736, 62.3399, 3.1804



31.2094, 62.3399, 10.6463



24.1304, 62.3399, 40.4503

Triad

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



31.2094, 62.3399, 10.6463



48.6832, 62.3399, 303.2117



117.3443, 62.3399, 36.5810

Complementary

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



31.2094, 62.3399, 10.6463



50.3566, 24.2940, 77.6165

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.



118.1797, 62.3399, 105.5334



31.2094, 62.3399, 10.6463



73.5033, 62.3399, 299.1253

Square

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



31.2094, 62.3399, 10.6463



32.1605, 62.3399, 220.4968



100.4560, 62.3399, 211.5515



98.4172, 62.3399, 9.4885

Rectangle

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



31.2094, 62.3399, 10.6463



23.5419, 62.3399, 83.6996



100.4560, 62.3399, 211.5515



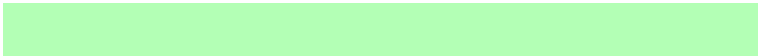
119.8991, 62.3399, 54.1868

Sweetspot

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



31.2108, 62.3425, 10.6477



62.6144, 84.3960, 56.9100



64.4414, 79.4792, 11.9446



12.6731, 17.7138, 11.0012



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.



31.2108, 62.3425, 10.6477



35.8126, 71.5410, 12.1968



35.0578, 63.8813, 30.9057



15.5900, 17.6660, 16.8639



17.0954, 34.1302, 5.8852



1.4306, 2.8427, 0.5339

Inverse Universe

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



50.3566, 24.2940, 77.6165



57.7833, 27.8773, 89.0456



38.8614, 19.6960, 17.0835



16.4271, 16.0205, 19.8051



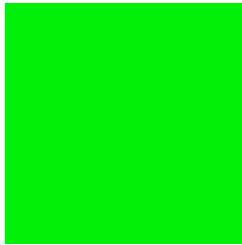
27.5765, 13.3030, 42.5481



2.3021, 1.1099, 3.5816

Previews

White Background



This preview shows how the XYZ color 31.2094, 62.3399, 10.6463 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 31.2094, 62.3399, 10.6463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

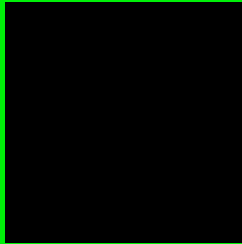
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

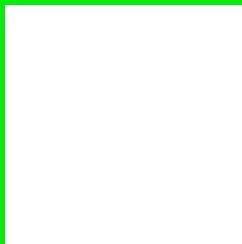
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2094, 62.3399, 10.6463

Background



This preview shows how black text looks on a background with the XYZ color 31.2094, 62.3399, 10.6463.



This preview shows how white text looks on a background with the XYZ color 31.2094, 62.3399, 10.6463.

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

31.2094, 62.3399, 10.6463

Protanopia

54.7863, 60.6516, 8.8194

Deuteranopia

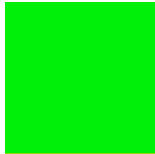
61.9577, 60.7713, 14.7678



Tritanopia

47.6317, 61.8929, 92.6552

Trichromacy



Original Color

31.2094, 62.3399, 10.6463



Protanomaly

37.1205, 56.3524, 9.0068



Deuteranomaly

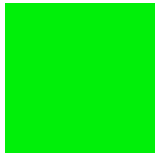
38.7703, 54.5002, 11.4938



Tritanomaly

36.2195, 59.5629, 41.4861

Monochromacy



Original Color

31.2094, 62.3399, 10.6463



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 31.2094, 62.3399, 10.6463 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 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, 240, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 9) }
```

Border

The CSS property to change the border of an element to XYZ 31.2094, 62.3399, 10.6463 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, 9) }
```


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

```
.border{ border-color:rgb(0, 240, 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, 240, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 240, 9); box-shadow:4px  
4px 4px 4px rgb(0, 240, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2094, 62.3399, 10.6463 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, 9) }
```

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

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