

Converting Colors

XYZ(31.3473, 62.3668, 10.6489)

Have a look what the booklet for
XYZ(31.3473, 62.3668, 10.6489)
contains.

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Color

**XYZ(31.3754, 62.4255,
10.6541)**

Conversions

Conversions Part 1

Format	Color
Hex	0DF009
RGB	13, 240, 9
RGB Percent	5%, 94%, 4%
CMY	0.9490, 0.0588, 0.9646
CMYK	0.95, 0.00, 0.96, 0.06
HSL	119°, 93%, 49%
HSV	119°, 96%, 94%
XYZ	31.3754, 62.4255, 10.6541
YIQ	145.7930, -61.1410, -119.9650

Conversions

Conversions Part 2

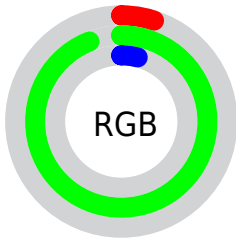
Format	Color
RYB	9, 240, 236
Decimal	913417
CIELab	83.14, -81.77, 78.77
CIElCh	83, 113.535, 136.070
Yxy	62.4255, 0.3004, 0.5976
Android (android.graphics.Color)	4279103497 (0xFF0DF009)
YUV	145.7930, -67.4389, -116.4595
Hunter-Lab	79.0098, -67.3835, 47.3119

Details

The XYZ color **31.3754, 62.4255, 10.6541** 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 **50.4312, 24.3268, 84.4790**, and the grayscale version is **27.5252, 28.9586, 31.5359**.

A 20% lighter version of the original color is **45.1195, 76.1269, 22.2134**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.2130, 62.3493, 10.3895**, and if you desaturate by 10%, it is **32.1846, 62.8185, 11.8702**.

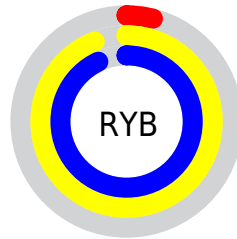
Distribution



Red (5%)

Green (94%)

Blue (4%)



Red (4%)

Yellow (94%)

Blue (93%)

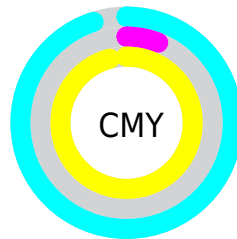


Cyan (95%)

Magenta (0%)

Yellow (96%)

Black (6%)



Cyan (95%)


Magenta (6%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3754, 62.4255, 10.6541 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 31.3754, 62.4255, 10.6541 by changing the saturation by 10% instead.


 31.3754, 62.4255,
10.6541


 31.3754, 62.4255,
10.6541


300.0602,
433.4815, 205.9304


 21.0381, 45.3766,
5.7235


 61.2024, 108.3403,
27.6455

 13.2645, 31.7542,
2.6116


 81.4229, 137.9749,
40.5435


 7.6892, 21.1738,
0.8985


 105.6685,
172.5736, 56.9343

 3.9468, 13.2511,
0.0000

 134.3045,
212.5207, 77.2365

 1.6721, 7.6017,
0.0000

 167.6963,
258.2007, 101.8687

 0.4387, 3.8412,
0.0000

 206.2093,

 0.0000, 1.5851,

309.9979, 131.2494

0.0000

250.2088,
368.2967, 165.7971

■ 0.0000, 0.3475,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3754, 62.4255,
10.6541

■ 31.3754, 62.4255,
10.6541

■ 31.2130, 62.3493,
10.3895

■ 32.1846, 62.8185,
11.8702

■ 33.7750, 63.5847,
14.3683

■ 36.2831, 64.7913,
18.3851

■ 39.8190, 66.4911,
24.1095

■ 44.4772, 68.7293,
31.7032

■ 50.3417, 71.5460,
41.3091

■ 57.4880, 74.9775,
53.0562

■ 65.9861, 79.0571,
67.0629

■ 75.9003, 83.8159,
83.4386

Harmonies

Analogous

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



47.1816, 62.4255, 3.2173



31.3754, 62.4255, 10.6541



24.2511, 62.4255, 40.3006

Triad

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



31.3754, 62.4255, 10.6541



48.6612, 62.4255, 302.3930



117.3680, 62.4255, 36.9496

Complementary

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



31.3754, 62.4255, 10.6541



50.4312, 24.3268, 84.4790

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.



118.0899, 62.4255, 106.0684



31.3754, 62.4255, 10.6541



73.4111, 62.4255, 298.8653

Square

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



31.3754, 62.4255, 10.6541



32.1992, 62.4255, 219.6172



100.3261, 62.4255, 211.8921



98.5638, 62.4255, 9.6477

Rectangle

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



31.3754, 62.4255, 10.6541



23.6364, 62.4255, 83.3224



100.3261, 62.4255, 211.8921



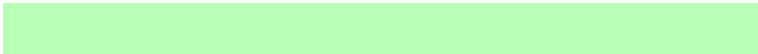
119.8800, 62.4255, 54.6310

Sweetspot

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



31.3768, 62.4281, 10.6555



63.4728, 84.8424, 56.7738



64.9288, 76.4311, 11.5900



12.8348, 17.7991, 10.9174



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.



31.3768, 62.4281, 10.6555



35.8148, 71.5483, 11.9226



34.4747, 63.6611, 27.2450



15.5910, 17.6693, 16.7385



17.0970, 34.1354, 5.6877



1.4311, 2.8443, 0.4736

Inverse Universe

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



50.4312, 24.3268, 84.4790



57.6968, 27.6587, 96.9054



40.2145, 20.3940, 23.7250



16.4259, 16.0168, 19.9474



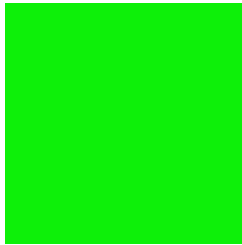
27.5363, 13.2009, 46.2246



2.2993, 1.1026, 3.8458

Previews

White Background



This preview shows how the XYZ color 31.3754, 62.4255, 10.6541 looks on a white background.

Color Contrast Check

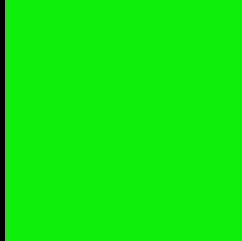
Large Text (above 18pt) WCAG AA × Fail

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 31.3754, 62.4255, 10.6541 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

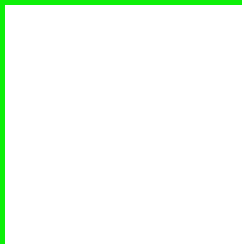
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3754, 62.4255, 10.6541

Background



This preview shows how black text looks on a background with the XYZ color 31.3754, 62.4255, 10.6541.



This preview shows how white text looks on a background with the XYZ color 31.3754, 62.4255,

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

31.3754, 62.4255, 10.6541

Protanopia

55.0263, 61.1315, 8.8994

Deuteranopia

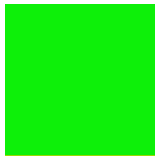
61.9577, 60.7713, 14.7678



Tritanopia

47.6317, 61.8929, 92.6552

Trichromacy



Original Color

31.3754, 62.4255, 10.6541



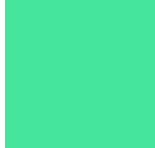
Protanomaly

38.0367, 56.8248, 9.0497



Deuteranomaly

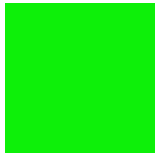
39.8063, 55.0343, 11.5423



Tritanomaly

36.5594, 59.7382, 41.5020

Monochromacy



Original Color

31.3754, 62.4255, 10.6541



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.4696, 36.0837, 16.7942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3754, 62.4255, 10.6541 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(13, 240, 9)` looks like.

```
.text, #text, p{  
    color:rgb(13, 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(13, 240, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 240, 9) }
```

Border

The CSS property to change the border of an element to XYZ 31.3754, 62.4255, 10.6541 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(13, 240, 9) }
```


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

```
.border{ border-color:rgb(13, 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(13, 240, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 240, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 240, 9);  
box-shadow:4px 4px 4px 4px rgb(13, 240, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.3754, 62.4255, 10.6541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 240, 9) }
```

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

```
.background{ background-color: rgb(13, 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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