

Converting Colors

XYZ(31.3198, 62.4951, 10.8852)

Have a look what the booklet for
XYZ(31.3198, 62.4951, 10.8852)
contains.

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Color

**XYZ(31.2536, 62.3576,
10.8792)**

Conversions

Conversions Part 1

Format	Color
Hex	00F010
RGB	0, 240, 16
RGB Percent	0%, 94%, 6%
CMY	1.0000, 0.0588, 0.9372
CMYK	1.00, 0.00, 0.93, 0.06
HSL	124°, 100%, 47%
HSV	124°, 100%, 94%
XYZ	31.2536, 62.3576, 10.8792
YIQ	142.7040, -71.1360, -120.5440

Conversions

Conversions Part 2

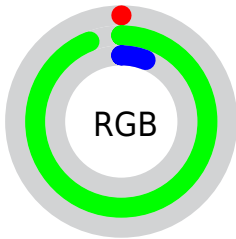
Format	Color
RYB	0, 225, 240
Decimal	61456
CIELab	83.10, -82.06, 78.06
CIELCh	83, 113.258, 136.430
Yxy	62.3576, 0.2991, 0.5968
Android (android.graphics.Color)	4278251536 (0xFF00F010)
YUV	142.7040, -62.4651, -125.1514
Hunter-Lab	78.9668, -67.5450, 47.1084

Details

The XYZ color **31.2536, 62.3576, 10.8792** 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 **49.3884, 23.9067, 72.5177**, and the grayscale version is **26.2541, 27.6213, 30.0796**.

A 20% lighter version of the original color is **44.9382, 76.0233, 22.6614**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.2551, 62.3602, 10.8806**, and if you desaturate by 10%, it is **31.8948, 62.6596, 12.2832**.

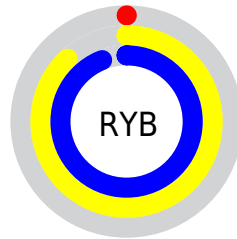
Distribution



Red (0%)

Green (94%)

Blue (6%)



Red (0%)

Yellow (88%)

Blue (94%)

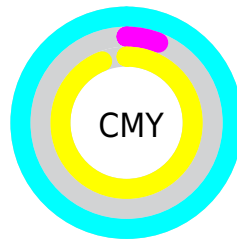


Cyan (100%)

Magenta (0%)

Yellow (93%)

Black (6%)



Cyan (100%)


Magenta (6%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2536, 62.3576, 10.8792 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 31.2536, 62.3576, 10.8792 by changing the saturation by 10% instead.


 31.2536, 62.3576,
10.8792


 31.2536, 62.3576,
10.8792


299.5110,
433.2343, 207.5445

 20.9448, 45.3217,
5.8725


 61.0122, 108.2422,
28.0698

 13.1959, 31.7109,
2.7002


 81.1928, 137.8597,
41.0908


 7.6415, 21.1408,
0.9435


 105.3947,
172.4398, 57.6203

 3.9163, 13.2269,
0.0000

 133.9832,
212.3671, 78.0769

 1.6549, 7.5850,
0.0000

 167.3238,
258.0257, 102.8790

 0.4278, 3.8306,
0.0000

 205.7817,

 0.0000, 1.5792,

309.8002, 132.4453

0.0000

249.7223,
368.0749, 167.1943

■ 0.0000, 0.3435,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.2536, 62.3576,
10.8792

■ 31.2536, 62.3576,
10.8792

■ 31.2551, 62.3602,
10.8806

■ 31.8948, 62.6596,
12.2832

■ 33.2178, 63.2861,
14.8543

■ 35.4037, 64.3284,
18.7786

■ 38.5670, 65.8423,
24.2075

■ 42.8046, 67.8748,
31.2723

■ 48.2017, 70.4676,
40.0898

■ 54.8349, 73.6577,
50.7664

■ 62.7744, 77.4792,
63.3998

■ 72.0848, 81.9636,
78.0812

Harmonies

Analogous

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



46.9098, 62.3576, 3.2807



31.2536, 62.3576, 10.8792



24.2385, 62.3576, 40.8897

Triad

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



31.2536, 62.3576, 10.8792



48.8817, 62.3576, 301.8714



116.9612, 62.3576, 36.4207

Complementary

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



31.2536, 62.3576, 10.8792



49.3884, 23.9067, 72.5177

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.



117.9220, 62.3576, 104.7574



31.2536, 62.3576, 10.8792



73.6282, 62.3576, 297.1796

Square

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



31.2536, 62.3576, 10.8792



32.3523, 62.3576, 220.2193



100.4075, 62.3576, 209.9416



98.0613, 62.3576, 9.5330

Rectangle

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



31.2536, 62.3576, 10.8792



23.6811, 62.3576, 84.1676



100.4075, 62.3576, 209.9416



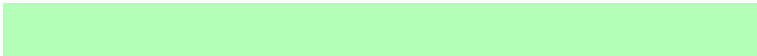
119.5421, 62.3576, 53.8710

Sweetspot

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



31.2551, 62.3602, 10.8806



62.8457, 84.4885, 58.1278



61.9031, 78.1707, 11.8258



12.7255, 17.7347, 11.2771



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.



31.2551, 62.3602, 10.8806



35.8614, 71.5606, 12.4539



35.6055, 64.1004, 33.7895



15.6087, 17.6735, 16.9624



17.1255, 34.1422, 6.0437



1.4395, 2.8463, 0.5811

Inverse Universe

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



49.3884, 23.9067, 72.5177



56.6688, 27.4315, 83.1767



38.4354, 19.5255, 14.8402



16.4060, 16.0121, 19.6944



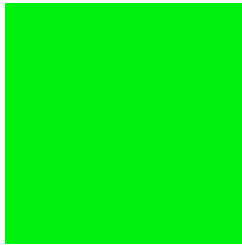
27.0547, 13.0943, 39.8003



2.2643, 1.0948, 3.3828

Previews

White Background



This preview shows how the XYZ color 31.2536, 62.3576, 10.8792 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 31.2536, 62.3576, 10.8792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

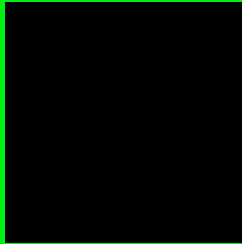
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

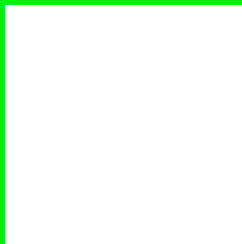
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2536, 62.3576, 10.8792

Background



This preview shows how black text looks on a background with the XYZ color 31.2536, 62.3576, 10.8792.



This preview shows how white text looks on a background with the XYZ color 31.2536, 62.3576,

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

31.2536, 62.3576, 10.8792

Protanopia

54.7863, 60.6516, 8.8194

Deuteranopia

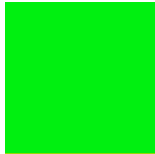
61.9577, 60.7713, 14.7678



Tritanopia

47.6317, 61.8929, 92.6552

Trichromacy



Original Color

31.2536, 62.3576, 10.8792



Protanomaly

37.1369, 56.3590, 9.0934



Deuteranomaly

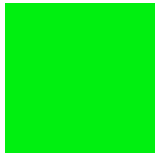
38.8144, 54.5178, 11.7261



Tritanomaly

36.3917, 59.6318, 42.3929

Monochromacy



Original Color

31.2536, 62.3576, 10.8792



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.3924, 34.9280, 16.8708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2536, 62.3576, 10.8792 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 16) }
```

Border

The CSS property to change the border of an element to XYZ 31.2536, 62.3576, 10.8792 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, 16) }
```


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

```
.border{ border-color:rgb(0, 240, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 16);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.2536, 62.3576, 10.8792 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, 16) }
```

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

```
.background{ background-color: rgb(0, 240,  
16) }
```

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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