

Converting Colors

XYZ(31.5638, 62.3405, 12.9479)

Have a look what the booklet for
XYZ(31.5638, 62.3405, 12.9479)
contains.

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Color

**XYZ(31.6532, 62.5174,
12.9835)**

Conversions

Conversions Part 1

Format	Color
Hex	00F02E
RGB	0, 240, 46
RGB Percent	0%, 94%, 18%
CMY	1.0000, 0.0588, 0.8196
CMYK	1.00, 0.00, 0.81, 0.06
HSL	132°, 100%, 47%
HSV	132°, 100%, 94%
XYZ	31.6532, 62.5174, 12.9835
YIQ	146.1240, -80.7660, -111.2140

Conversions

Conversions Part 2

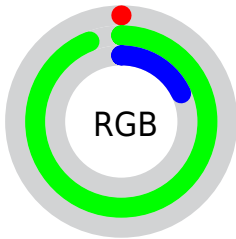
Format	Color
RYB	0, 201, 240
Decimal	61486
CIELab	83.19, -80.96, 72.57
CIELCh	83, 108.726, 138.127
Yxy	62.5174, 0.2954, 0.5834
Android (android.graphics.Color)	4278251566 (0xFF00F02E)
YUV	146.1240, -49.3611, -128.1507
Hunter-Lab	79.0679, -66.9102, 45.6117

Details

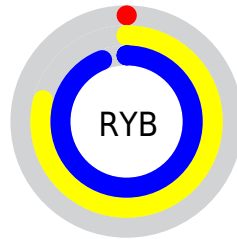
The XYZ color **31.6532, 62.5174, 12.9835** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **45.6738, 22.4209, 52.9572**, and the grayscale version is **27.5941, 29.0311, 31.6149**.

A 20% lighter version of the original color is **45.5370, 76.2475, 26.5046**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.6546, 62.5200, 12.9848**, and if you desaturate by 10%, it is **32.5041, 62.9033, 15.4917**.

Distribution



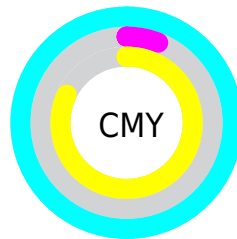
- Red (0%)
- Green (94%)
- Blue (18%)



- Red (0%)
- Yellow (79%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (6%)



- Cyan (100%)
- Magenta (6%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6532, 62.5174, 12.9835 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 31.6532, 62.5174, 12.9835 by changing the saturation by 10% instead.

■ 31.6532, 62.5174,
12.9835

■ 31.6532, 62.5174,
12.9835

301.3099,
433.8159, 222.0160

■ 21.2510, 45.4509,
7.2866

■ 61.6359, 108.4730,
31.9649

■ 13.4211, 31.8127,
3.5608

■ 81.9471, 138.1308,
46.0865

■ 7.7982, 21.2185,
1.3876

■ 106.2920,
172.7546, 63.8533

■ 4.0168, 13.2838,
0.1321

■ 135.0360,
212.7287, 85.6840

■ 1.7116, 7.6243,
0.0000

■ 168.5445,
258.4374, 111.9971

■ 0.4635, 3.8555,
0.0000

207.1827,

■ 0.0000, 1.5931,

310.2653, 143.2111

0.0000

251.3160,
368.5967, 179.7445

■ 0.0000, 0.3529,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.6532, 62.5174,
12.9835

■ 31.6532, 62.5174,
12.9835

■ 31.6546, 62.5200,
12.9848

■ 32.5041, 62.9033,
15.4917

■ 34.0124, 63.6039,
19.0386

■ 36.3433, 64.7042,
23.7258

■ 39.5988, 66.2549,
29.6403

■ 43.8660, 68.2994,
36.8606

■ 49.2214, 70.8754,
45.4584

■ 55.7342, 74.0173,
55.5004

■ 63.4676, 77.7565,
67.0489

■ 72.4804, 82.1218,
80.1624

Harmonies

Analogous

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



46.4033, 62.5174, 4.2201



31.6532, 62.5174, 12.9835



25.1819, 62.5174, 44.6997

Triad

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



31.6532, 62.5174, 12.9835



50.5730, 62.5174, 290.5691



113.7566, 62.5174, 35.1407

Complementary

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



31.6532, 62.5174, 12.9835



45.6738, 22.4209, 52.9572

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.



115.7414, 62.5174, 98.4307



31.6532, 62.5174, 12.9835



74.6704, 62.5174, 281.0298

Square

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



31.6532, 62.5174, 12.9835



34.0071, 62.5174, 217.7364



99.9731, 62.5174, 196.7113



95.1078, 62.5174, 9.9399

Rectangle

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



31.6532, 62.5174, 12.9835



24.8926, 62.5174, 88.1228



99.9731, 62.5174, 196.7113



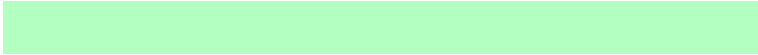
116.5460, 62.5174, 51.3177

Sweetspot

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



31.6547, 62.5200, 12.9849



63.8791, 84.9019, 63.5695



53.9272, 74.0589, 11.4526



12.9616, 17.8292, 12.5203



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.



31.6547, 62.5200, 12.9849



36.3119, 71.7408, 14.8263



37.8625, 65.0031, 45.6748



15.6897, 17.7059, 17.3889



17.3638, 34.2375, 7.2987



1.4780, 2.8616, 0.7837

Inverse Universe

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



45.6738, 22.4209, 52.9572



52.3948, 25.7219, 60.6705



37.2412, 19.0479, 8.5517



16.3168, 15.9764, 19.2242



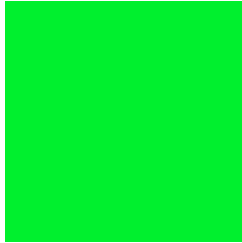
25.0488, 12.2920, 29.2375



2.1168, 1.0358, 2.6060

Previews

White Background



This preview shows how the XYZ color 31.6532, 62.5174, 12.9835 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 31.6532, 62.5174, 12.9835 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 31.6532, 62.5174, 12.9835

Background



This preview shows how black text looks on a background with the XYZ color 31.6532, 62.5174, 12.9835.

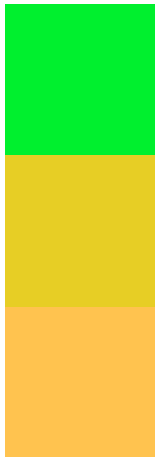


This preview shows how white text looks on a background with the XYZ color 31.6532, 62.5174,

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

31.6532, 62.5174, 12.9835

Protanopia

55.3602, 61.2651, 10.6578

Deuteranopia

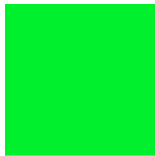
62.1664, 60.8547, 15.8668



Tritanopia

47.6702, 61.8955, 93.4389

Trichromacy



Original Color

31.6532, 62.5174, 12.9835



Protanomaly

37.4870, 56.4991, 10.9371



Deuteranomaly

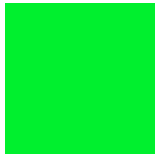
39.2077, 54.6752, 13.7971



Tritanomaly

37.4843, 60.0689, 48.1469

Monochromacy



Original Color

31.6532, 62.5174, 12.9835



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.6499, 36.0955, 20.4725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6532, 62.5174, 12.9835 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 46) }
```

Border

The CSS property to change the border of an element to XYZ 31.6532, 62.5174, 12.9835 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, 46) }
```


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

```
.border{ border-color:rgb(0, 240, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.6532, 62.5174, 12.9835 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, 46) }
```

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

```
.background{ background-color: rgb(0, 240,  
46) }
```

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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