

Converting Colors

XYZ(13.5038, 26.4139, 6.3315)

Have a look what the booklet for
XYZ(13.5038, 26.4139, 6.3315)
contains.

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Color

**XYZ(13.4634, 26.3409,
6.2942)**

Conversions

Conversions Part 1

Format	Color
Hex	00A327
RGB	0, 163, 39
RGB Percent	0%, 64%, 15%
CMY	1.0000, 0.3608, 0.8470
CMYK	1.00, 0.00, 0.76, 0.36
HSL	134°, 100%, 32%
HSV	134°, 100%, 64%
XYZ	13.4634, 26.3409, 6.2942
YIQ	100.1270, -57.3440, -73.1200

Conversions

Conversions Part 2

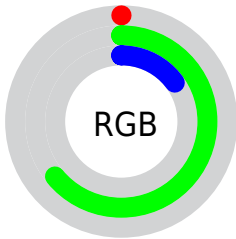
Format	Color
RYB	0, 132, 163
Decimal	41767
CIELab	58.36, -59.87, 50.87
CIELCh	58, 78.568, 139.646
Yxy	26.3409, 0.2921, 0.5714
Android (android.graphics.Color)	4278231847 (0xFF00A327)
YUV	100.1270, -30.1356, -87.8114
Hunter-Lab	51.3234, -42.9909, 28.6552

Details

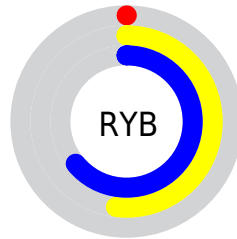
The XYZ color **13.4634, 26.3409, 6.2942** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **18.7428, 9.2420, 19.8641**, and the grayscale version is **12.2312, 12.8681, 14.0134**.

A 20% lighter version of the original color is **31.7209, 53.7287, 19.0547**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **13.4640, 26.3420, 6.2948**, and if you desaturate by 10%, it is **13.9231, 26.5509, 7.5700**.

Distribution



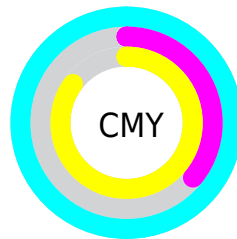
- Red (0%)
- Green (64%)
- Blue (15%)



- Red (0%)
- Yellow (52%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (85%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4634, 26.3409, 6.2942 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 13.4634, 26.3409, 6.2942 by changing the saturation by 10% instead.


 13.4634, 26.3409,
6.2942


 13.4634, 26.3409,
6.2942


207.4447,
284.4515, 171.0650


 7.8276, 17.0788,
2.9531


 31.7281, 53.8244,
19.0267


 4.0357, 10.2907,
1.0707


 45.0877, 72.8146,
29.2551


 1.7224, 5.5921,
0.0000

 61.7527, 95.8164,
42.6164

 0.4702, 2.5987,
0.0000

 82.0883, 123.2140,
59.5292

 0.0000, 0.9260,
0.0000

 106.4600,
155.3919, 80.4119

 0.0000, 0.0000,
0.0000

 135.2330,

192.7346, 105.6830

168.7728,
235.6263, 135.7613

■ 13.4634, 26.3409,
6.2942

■ 13.4634, 26.3409,
6.2942

■ 13.4640, 26.3420,
6.2948

■ 13.9231, 26.5509,
7.5700

■ 14.6321, 26.8802,
9.2386

■ 15.6712, 27.3706,
11.3319

■ 17.0777, 28.0408,
13.8767

■ 18.8834, 28.9067,
16.8973

■ 21.1168, 29.9825,
20.4165

■ 23.8037, 31.2810,
24.4556

■ 26.9677, 32.8141,
29.0345

■ 30.6309, 34.5926,
34.1721

Harmonies

Analogous

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



19.3424, 26.3409, 2.1683



13.4634, 26.3409, 6.2942



10.9409, 26.3409, 20.2090

Triad

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



13.4634, 26.3409, 6.2942



21.8707, 26.3409, 118.1054



46.6872, 26.3409, 14.3547

Complementary

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



13.4634, 26.3409, 6.2942



18.7428, 9.2420, 19.8641

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.



47.8665, 26.3409, 39.2403



13.4634, 26.3409, 6.2942



31.7504, 26.3409, 112.5164

Square

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



13.4634, 26.3409, 6.2942



14.9067, 26.3409, 90.5503



41.8510, 26.3409, 78.1642



38.9504, 26.3409, 4.3426

Rectangle

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



13.4634, 26.3409, 6.2942



10.9182, 26.3409, 38.4540



41.8510, 26.3409, 78.1642



47.9274, 26.3409, 20.7219

Sweetspot

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



13.4640, 26.3420, 6.2948



42.3390, 55.8794, 43.3687



21.5507, 30.5531, 4.7615



9.0571, 12.3316, 9.0675



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.4640, 26.3420, 6.2948



24.0458, 47.1481, 10.9243



16.4598, 27.5403, 22.0702



7.0518, 7.9215, 7.8846



10.4791, 20.4780, 4.9735



0.2373, 0.4371, 0.1945

Inverse Universe

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



18.7428, 9.2420, 19.8641



33.4840, 16.5184, 35.1436



15.5496, 7.9647, 3.0485



7.2915, 7.1731, 8.5215



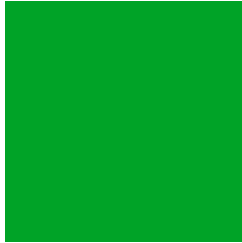
14.5844, 7.1898, 15.5339



0.3231, 0.1577, 0.4140

Previews

White Background



This preview shows how the XYZ color 13.4634, 26.3409, 6.2942 looks on a white background.

Color Contrast Check

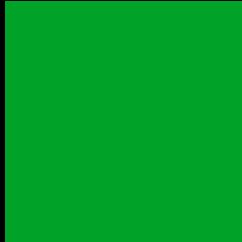
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4634, 26.3409, 6.2942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

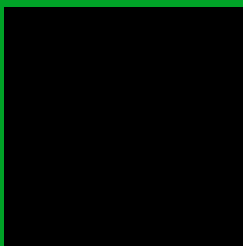
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

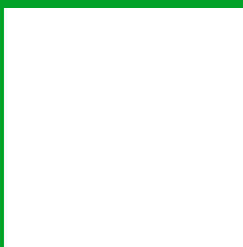
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4634, 26.3409, 6.2942

Background



This preview shows how black text looks on a background with the XYZ color 13.4634, 26.3409, 6.2942.



This preview shows how white text looks on a background with the XYZ color 13.4634, 26.3409,

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

13.4634, 26.3409, 6.2942

Protanopia

23.5572, 26.0341, 5.2223

Deuteranopia

26.4629, 26.0217, 6.8767



Tritanopia

20.2438, 26.3301, 39.1372

Trichromacy



Original Color

13.4634, 26.3409, 6.2942



Protanomaly

16.1488, 24.0105, 5.3735



Deuteranomaly

17.0419, 23.5313, 6.3331



Tritanomaly

16.2145, 25.6224, 21.5438

Monochromacy



Original Color

13.4634, 26.3409, 6.2942



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.5725, 15.8060, 9.7014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4634, 26.3409, 6.2942 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, 163, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 39)  
}
```

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, 163, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 39) }
```

Border

The CSS property to change the border of an element to XYZ 13.4634, 26.3409, 6.2942 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, 163, 39) }
```


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

```
.border{ border-color:rgb(0, 163, 39) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 163, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 163, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4634, 26.3409, 6.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 39) }
```

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

```
.background{ background-color: rgb(0, 163,  
39) }
```

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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