

Converting Colors

XYZ(12.1582, 25.8312, 2.9372)

Have a look what the booklet for
XYZ(12.1582, 25.8312, 2.9372)
contains.

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Color

**XYZ(13.0972, 26.1944,
4.3657)**

Conversions

Conversions Part 1

Format	Color
Hex	00A300
RGB	0, 163, 0
RGB Percent	0%, 64%, 0%
CMY	1.0000, 0.3608, 0.9999
CMYK	1.00, 0.00, 1.00, 0.36
HSL	120°, 100%, 32%
HSV	120°, 100%, 64%
XYZ	13.0972, 26.1944, 4.3657
YIQ	95.6810, -44.8250, -85.2490

Conversions

Conversions Part 2

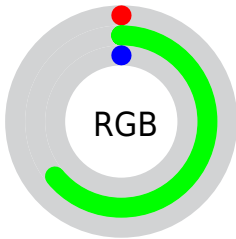
Format	Color
RYB	0, 163, 163
Decimal	41728
CIELab	58.22, -61.66, 59.51
CIELCh	58, 85.699, 136.016
Yxy	26.1944, 0.3000, 0.6000
Android (android.graphics.Color)	4278231808 (0xFF00A300)
YUV	95.6810, -47.1707, -83.9122
Hunter-Lab	51.1805, -43.8872, 30.7689

Details

The XYZ color **13.0972, 26.1944, 4.3657** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **21.7149, 10.4309, 35.5146**, and the grayscale version is **11.1602, 11.7414, 12.7863**.

A 20% lighter version of the original color is **31.0154, 53.4581, 14.8147**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **13.0978, 26.1955, 4.3663**, and if you desaturate by 10%, it is **13.4125, 26.3466, 4.8810**.

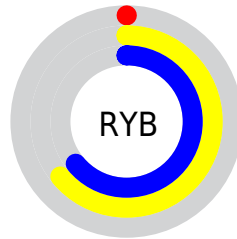
Distribution



Red (0%)

Green (64%)

Blue (0%)



Red (0%)

Yellow (64%)

Blue (64%)

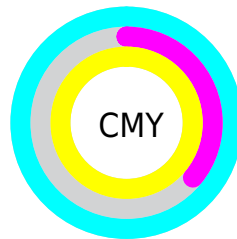


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (100%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0972, 26.1944, 4.3657 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 13.0972, 26.1944, 4.3657 by changing the saturation by 10% instead.


 13.0972, 26.1944,
4.3657


 13.0972, 26.1944,
4.3657


205.1647,
283.7351, 152.2073


 7.5730, 16.9691,
1.8280


 31.0781, 53.5884,
14.8448


 3.8724, 10.2125,
0.4464


 44.2655, 72.5259,
23.6232


 1.6302, 5.5401,
0.0000


 60.7381, 95.4696,
35.3191

 0.4120, 2.5675,
0.0000

 80.8610, 122.8039,
50.3508


 0.0000, 0.9104,
0.0000


 104.9998,
154.9132, 69.1369


 0.0000, 0.0000,
0.0000


 133.5198,


192.1819, 92.0960


 166.7863,
234.9944, 119.6466


 13.0972, 26.1944,
4.3657


 13.0972, 26.1944,
4.3657


 13.0978, 26.1955,
4.3663

 13.4125, 26.3466,
4.8810

 13.9813, 26.6199,
5.8117

 14.9121, 27.0670,
7.3343

 16.2513, 27.7103,
9.5250

 18.0386, 28.5688,
12.4485

■ 20.3089, 29.6594,
16.1621

■ 23.0938, 30.9971,
20.7172

■ 26.4221, 32.5958,
26.1611

■ 30.3205, 34.4684,
32.5374

Harmonies

Analogous

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



19.7747, 26.1944, 1.2901



13.0972, 26.1944, 4.3657



10.0914, 26.1944, 16.7943

Triad

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



13.0972, 26.1944, 4.3657



20.3682, 26.1944, 128.0842



49.5049, 26.1944, 15.4529

Complementary

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



13.0972, 26.1944, 4.3657



21.7149, 10.4309, 35.5146

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.



49.7959, 26.1944, 44.7300



13.0972, 26.1944, 4.3657



30.8353, 26.1944, 126.6581

Square

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



13.0972, 26.1944, 4.3657



13.4268, 26.1944, 92.8096



42.2464, 26.1944, 89.6903



41.5368, 26.1944, 3.9674

Rectangle

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



13.0972, 26.1944, 4.3657



9.8293, 26.1944, 34.9580



42.2464, 26.1944, 89.6903



50.5662, 26.1944, 22.9275

Sweetspot

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



13.0978, 26.1955, 4.3663



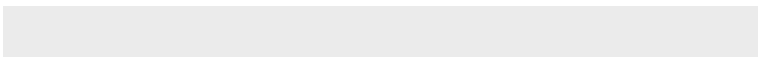
41.0548, 55.3657, 36.6062



28.2026, 33.9823, 5.0728



8.7503, 12.2089, 7.4521



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.



13.0978, 26.1955, 4.3663



23.4562, 46.9122, 7.8192



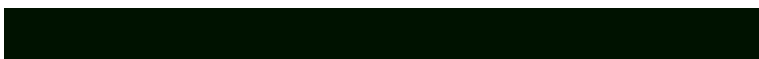
14.6018, 26.7971, 12.2864



6.9856, 7.8951, 7.5359



10.1790, 20.3580, 3.3933



0.2139, 0.4278, 0.0713

Inverse Universe

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



21.7149, 10.4309, 35.5146



38.8881, 18.6801, 63.6012



16.6090, 8.3885, 8.6274



7.3643, 7.2022, 8.9050



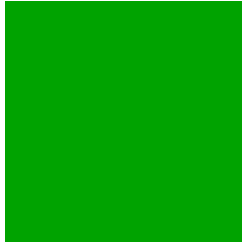
16.8758, 8.1064, 27.6004



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 13.0972, 26.1944, 4.3657 looks on a white background.

Color Contrast Check

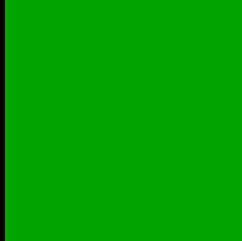
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0972, 26.1944, 4.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

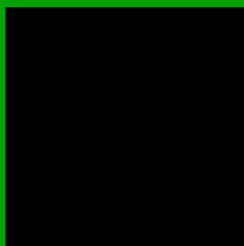
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0972, 26.1944, 4.3657

Background



This preview shows how black text looks on a background with the XYZ color 13.0972, 26.1944, 4.3657.



This preview shows how white text looks on a background with the XYZ color 13.0972, 26.1944,

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

13.0972, 26.1944, 4.3657

Protanopia

23.2827, 25.9243, 3.7768

Deuteranopia

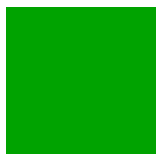
26.2338, 25.7378, 5.1753



Tritanopia

20.3130, 26.3658, 39.1405

Trichromacy



Original Color

13.0972, 26.1944, 4.3657



Protanomaly

15.8454, 23.8891, 3.7759



Deuteranomaly

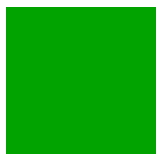
16.5228, 23.0824, 4.3436



Tritanomaly

15.3834, 25.2900, 17.1674

Monochromacy



Original Color

13.0972, 26.1944, 4.3657



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.4832, 14.7620, 6.7644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0972, 26.1944, 4.3657 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 13.0972, 26.1944, 4.3657 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, 0) }
```


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

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

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, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 13.0972, 26.1944, 4.3657 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, 0) }
```

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

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

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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