

Converting Colors

XYZ(13.1723, 26.2813, 4.5861)

Have a look what the booklet for
XYZ(13.1723, 26.2813, 4.5861)
contains.

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Color

**XYZ(13.1355, 26.2097,
4.5677)**

Conversions

Conversions Part 1

Format	Color
Hex	00A307
RGB	0, 163, 7
RGB Percent	0%, 64%, 3%
CMY	1.0000, 0.3608, 0.9725
CMYK	1.00, 0.00, 0.96, 0.36
HSL	123°, 100%, 32%
HSV	123°, 100%, 64%
XYZ	13.1355, 26.2097, 4.5677
YIQ	96.4790, -47.0720, -83.0720

Conversions

Conversions Part 2

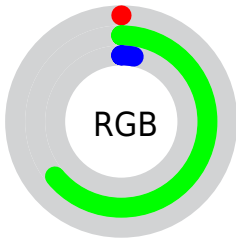
Format	Color
RYB	0, 156, 163
Decimal	41735
CIELab	58.24, -61.47, 58.50
CIELCh	58, 84.860, 136.420
Yxy	26.2097, 0.2991, 0.5969
Android (android.graphics.Color)	4278231815 (0xFF00A307)
YUV	96.4790, -44.1131, -84.6121
Hunter-Lab	51.1954, -43.7932, 30.5469

Details

The XYZ color **13.1355, 26.2097, 4.5677** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **21.1046, 10.1867, 32.3010**, and the grayscale version is **11.3482, 11.9392, 13.0018**.

A 20% lighter version of the original color is **31.1157, 53.4982, 15.3428**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **13.1362, 26.2108, 4.5683**, and if you desaturate by 10%, it is **13.4674, 26.3686, 5.1703**.

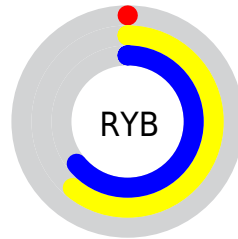
Distribution



Red (0%)

Green (64%)

Blue (3%)



Red (0%)

Yellow (61%)

Blue (64%)

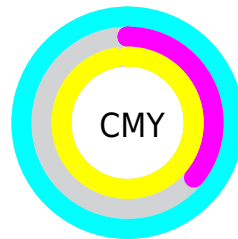


Cyan (100%)

Magenta (0%)

Yellow (96%)

Black (36%)



Cyan (100%)


Magenta (36%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1355, 26.2097, 4.5677 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 13.1355, 26.2097, 4.5677 by changing the saturation by 10% instead.


 13.1355, 26.2097,
4.5677


 13.1355, 26.2097,
4.5677


205.4043,
283.8100, 154.3406


 7.5996, 16.9806,
1.9417


 31.1462, 53.6131,
15.2992


 3.8894, 10.2206,
0.5191


 44.3518, 72.5561,
24.2418


 1.6398, 5.5455,
0.0000

 60.8445, 95.5059,
36.1269

 0.4181, 2.5707,
0.0000

 80.9899, 122.8468,
51.3732


 0.0000, 0.9120,
0.0000


 105.1532,
154.9633, 70.3992


 0.0000, 0.0000,
0.0000


 133.6998,


192.2397, 93.6234


 166.9951,
235.0605, 121.4643


 13.1355, 26.2097,
4.5677


 13.1355, 26.2097,
4.5677


 13.1362, 26.2108,
4.5683

 13.4674, 26.3686,
5.1703

 14.0655, 26.6535,
6.2551

 15.0210, 27.1105,
7.9080

 16.3780, 27.7609,
10.1924

 18.1742, 28.6230,
13.1631

■ 20.4431, 29.7130,
16.8691

■ 23.2149, 31.0455,
21.3549

■ 26.5170, 32.6338,
26.6614

■ 30.3753, 34.4903,
32.8267

Harmonies

Analogous

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



19.7184, 26.2097, 1.3767



13.1355, 26.2097, 4.5677



10.1855, 26.2097, 17.1773

Triad

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



13.1355, 26.2097, 4.5677



20.5416, 26.2097, 126.9113



49.1693, 26.2097, 15.3117

Complementary

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



13.1355, 26.2097, 4.5677



21.1046, 10.1867, 32.3010

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.



49.5705, 26.2097, 44.0481



13.1355, 26.2097, 4.5677



30.9447, 26.2097, 124.9521

Square

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



13.1355, 26.2097, 4.5677



13.5942, 26.2097, 92.5686



42.2043, 26.2097, 88.2769



41.2247, 26.2097, 4.0059

Rectangle

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



13.1355, 26.2097, 4.5677



9.9506, 26.2097, 35.3673



42.2043, 26.2097, 88.2769



50.2535, 26.2097, 22.6497

Sweetspot

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



13.1362, 26.2108, 4.5683



41.2737, 55.4532, 37.7585



27.1137, 33.4210, 5.0218



8.8021, 12.2296, 7.7247



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.



13.1362, 26.2108, 4.5683



23.5060, 46.9321, 8.0815



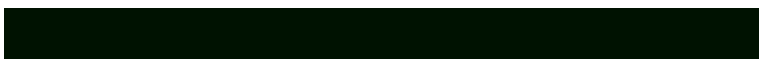
14.8154, 26.8825, 13.4109



6.9973, 7.8998, 7.5977



10.2132, 20.3716, 3.5735



0.2181, 0.4294, 0.0935

Inverse Universe

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



21.1046, 10.1867, 32.3010



37.7755, 18.2350, 57.7425



16.4117, 8.3096, 7.5888



7.3511, 7.1969, 8.8353



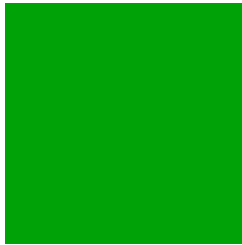
16.4059, 7.9184, 25.1261



0.3485, 0.1679, 0.5477

Previews

White Background



This preview shows how the XYZ color 13.1355, 26.2097, 4.5677 looks on a white background.

Color Contrast Check

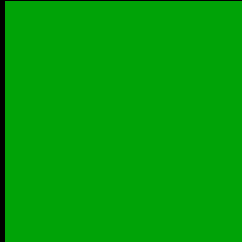
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1355, 26.2097, 4.5677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

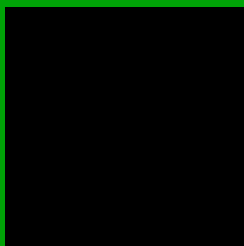
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1355, 26.2097, 4.5677

Background



This preview shows how black text looks on a background with the XYZ color 13.1355, 26.2097, 4.5677.



This preview shows how white text looks on a background with the XYZ color 13.1355, 26.2097,

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

13.1355, 26.2097, 4.5677

Protanopia

23.2827, 25.9243, 3.7768

Deuteranopia

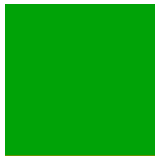
26.2489, 25.7439, 5.2547



Tritanopia

20.3130, 26.3658, 39.1405

Trichromacy



Original Color

13.1355, 26.2097, 4.5677



Protanomaly

15.8619, 23.8957, 3.8625



Deuteranomaly

16.5535, 23.0946, 4.5049



Tritanomaly

15.5386, 25.3521, 17.9844

Monochromacy



Original Color

13.1355, 26.2097, 4.5677



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.5664, 14.7952, 7.2020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1355, 26.2097, 4.5677 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 7) }
```

Border

The CSS property to change the border of an element to XYZ 13.1355, 26.2097, 4.5677 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, 7) }
```


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

```
.border{ border-color:rgb(0, 163, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 163, 7); box-shadow:4px  
4px 4px 4px rgb(0, 163, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1355, 26.2097, 4.5677 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, 7) }
```

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

```
.background{ background-color: rgb(0, 163,  
7) }
```

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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