

Converting Colors

XYZ(13.1583, 26.2757, 4.5123)

Have a look what the booklet for
XYZ(13.1583, 26.2757, 4.5123)
contains.

| | |
|--|----|
| XYZ(13.1246, 26.2053, 4.5100) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 30 |

Color

**XYZ(13.1246, 26.2053,
4.5100)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 00A305 |
| RGB | 0, 163, 5 |
| RGB Percent | 0%, 64%, 2% |
| CMY | 1.0000, 0.3608, 0.9803 |
| CMYK | 1.00, 0.00, 0.97, 0.36 |
| HSL | 122°, 100%, 32% |
| HSV | 122°, 100%, 64% |
| XYZ | 13.1246, 26.2053, 4.5100 |
| YIQ | 96.2510, -46.4300, -83.6940 |

Conversions

Conversions Part 2

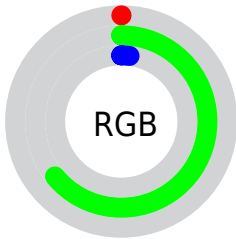
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 158, 163 |
| Decimal | 41733 |
| CIELab | 58.23, -61.53, 58.79 |
| CIELCh | 58, 85.096, 136.305 |
| Yxy | 26.2053, 0.2994, 0.5977 |
| Android (android.graphics.Color) | 4278231813 (0xFF00A305) |
| YUV | 96.2510, -44.9867, -84.4121 |
| Hunter-Lab | 51.1911, -43.8198, 30.6103 |

Details

The XYZ color **13.1246, 26.2053, 4.5100** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **21.2756, 10.2552, 33.2018**, and the grayscale version is **11.2945, 11.8827, 12.9403**.

A 20% lighter version of the original color is **31.0817, 53.4846, 15.1640**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **13.1251, 26.2064, 4.5105**, and if you desaturate by 10%, it is **13.4502, 26.3617, 5.0799**.

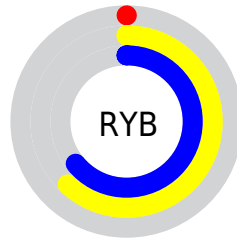
Distribution



Red (0%)

Green (64%)

Blue (2%)



Red (0%)

Yellow (62%)

Blue (64%)

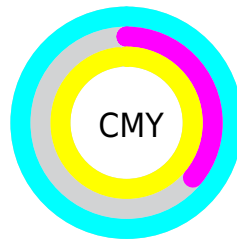


Cyan (100%)

Magenta (0%)

Yellow (97%)

Black (36%)



Cyan (100%)


Magenta (36%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1246, 26.2053, 4.5100 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 13.1246, 26.2053, 4.5100 by changing the saturation by 10% instead.


 13.1246, 26.2053,
4.5100

 13.1246, 26.2053,
4.5100


205.3362,
283.7884, 153.7357


 7.5920, 16.9773,
1.9091


 31.1269, 53.6060,
15.1699


 3.8846, 10.2183,
0.4985


 44.3272, 72.5474,
24.0659

 1.6371, 5.5439,
0.0000

 60.8142, 95.4954,
35.8974

 0.4164, 2.5698,
0.0000

 80.9532, 122.8345,
51.0829


 0.0000, 0.9115,
0.0000


 105.1096,
154.9489, 70.0410


 0.0000, 0.0000,
0.0000


 133.6486,

192.2231, 93.1901


 166.9357,
235.0415, 120.9488


 13.1246, 26.2053,
4.5100


 13.1246, 26.2053,
4.5100


 13.1251, 26.2064,
4.5105

 13.4502, 26.3617,
5.0799

 14.0402, 26.6434,
6.1213

 14.9889, 27.0976,
7.7381

 16.3411, 27.7461,
9.9970

 18.1351, 28.6074,
12.9557

■ 20.4047, 29.6976,
16.6652

■ 23.1805, 31.0317,
21.1720

■ 26.4904, 32.6231,
26.5187

■ 30.3604, 34.4844,
32.7450

Harmonies

Analogous

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



19.7342, 26.2053, 1.3519



13.1246, 26.2053, 4.5100



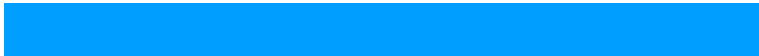
10.1588, 26.2053, 17.0685

Triad

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



13.1246, 26.2053, 4.5100



20.4925, 26.2053, 127.2419



49.2638, 26.2053, 15.3513

Complementary

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



13.1246, 26.2053, 4.5100



21.2756, 10.2552, 33.2018

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.



49.6340, 26.2053, 44.2398



13.1246, 26.2053, 4.5100



30.9137, 26.2053, 125.4323

Square

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



13.1246, 26.2053, 4.5100



13.5467, 26.2053, 92.6367



42.2161, 26.2053, 88.6744



41.3126, 26.2053, 3.9949

Rectangle

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



13.1246, 26.2053, 4.5100



9.9162, 26.2053, 35.2513



42.2161, 26.2053, 88.6744



50.3416, 26.2053, 22.7278

Sweetspot

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



13.1252, 26.2064, 4.5106



41.2106, 55.4280, 37.4261



27.6522, 33.6985, 5.0471



8.7871, 12.2236, 7.6460



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.



13.1252, 26.2064, 4.5106



23.4917, 46.9264, 8.0064



14.7066, 26.8389, 12.8380



6.9940, 7.8984, 7.5800



10.2035, 20.3677, 3.5219



0.2169, 0.4290, 0.0871

Inverse Universe

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



21.2756, 10.2552, 33.2018



38.0872, 18.3597, 59.3840



16.5084, 8.3483, 8.0977



7.3549, 7.1984, 8.8552



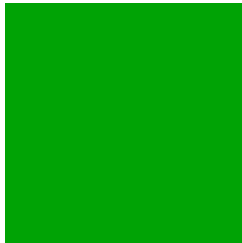
16.5377, 7.9711, 25.8198



0.3502, 0.1686, 0.5568

Previews

White Background



This preview shows how the XYZ color 13.1246, 26.2053, 4.5100 looks on a white background.

Color Contrast Check

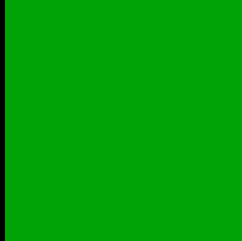
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1246, 26.2053, 4.5100 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 13.1246, 26.2053, 4.5100

Background



This preview shows how black text looks on a background with the XYZ color 13.1246, 26.2053, 4.5100.



This preview shows how white text looks on a background with the XYZ color 13.1246, 26.2053,

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

13.1246, 26.2053, 4.5100

Deuteranopia

26.2489, 25.7439, 5.2547

Tritanopia

20.3130, 26.3658, 39.1405

Trichromacy



Original Color

13.1246, 26.2053, 4.5100

Deuteranomaly

16.5535, 23.0946, 4.5049

Tritanomaly

15.4862, 25.3311, 17.7089

Monochromacy



Original Color

13.1246, 26.2053, 4.5100

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

9.5381, 14.7839, 7.0535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1246, 26.2053, 4.5100 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 5) }
```

Border

The CSS property to change the border of an element to XYZ 13.1246, 26.2053, 4.5100 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, 5) }
```

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

```
.border{ border-color:rgb(0, 163, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 163, 5); box-shadow:4px  
4px 4px 4px rgb(0, 163, 5) }
```


Background

The CSS property to change the background color of an element to XYZ 13.1246, 26.2053, 4.5100 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, 5) }
```

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

```
.background{ background-color: rgb(0, 163,  
5) }
```

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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