

Converting Colors

XYZ(13.3489, 26.3186, 4.4590)

Have a look what the booklet for
XYZ(13.3489, 26.3186, 4.4590)
contains.

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Color

**XYZ(13.3448, 26.3201,
4.4631)**

Conversions

Conversions Part 1

Format	Color
Hex	11A303
RGB	17, 163, 3
RGB Percent	7%, 64%, 1%
CMY	0.9333, 0.3608, 0.9882
CMYK	0.90, 0.00, 0.98, 0.36
HSL	115°, 96%, 33%
HSV	115°, 98%, 64%
XYZ	13.3448, 26.3201, 4.4631
YIQ	101.1060, -35.6560, -80.7120

Conversions

Conversions Part 2

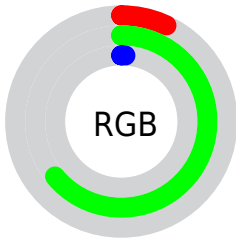
Format	Color
R_{YB}	3, 163, 149
Decimal	1155843
CIE _{Lab}	58.34, -60.56, 59.21
CIE _{LCh}	58, 84.695, 135.643
Yxy	26.3201, 0.3024, 0.5964
Android (android.graphics.Color)	4279345923 (0xFF11A303)
YUV	101.1060, -48.3663, -73.7610
Hunter-Lab	51.3031, -43.3496, 30.7543

Details

The XYZ color **13.3448, 26.3201, 4.4631** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.0412, 9.1010, 35.4048**, and the grayscale version is **12.5259, 13.1782, 14.3510**.

A 20% lighter version of the original color is **31.4639, 53.6855, 15.0073**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **13.2827, 26.2908, 4.3746**, and if you desaturate by 10%, it is **13.8098, 26.5486, 5.0268**.

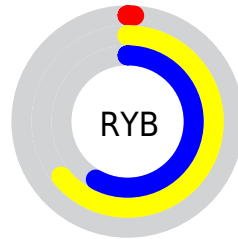
Distribution



Red (7%)

Green (64%)

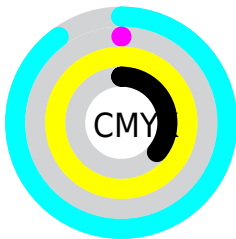
Blue (1%)



Red (1%)

Yellow (64%)

Blue (58%)

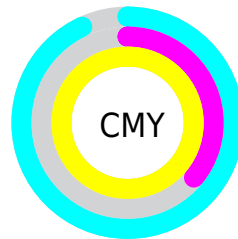


Cyan (90%)

Magenta (0%)

Yellow (98%)

Black (36%)



Cyan (93%)


Magenta (36%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3448, 26.3201, 4.4631 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 13.3448, 26.3201, 4.4631 by changing the saturation by 10% instead.


 13.3448, 26.3201,
4.4631


 13.3448, 26.3201,
4.4631


206.7090,
284.3499, 153.2415


 7.7450, 17.0633,
1.8827


 31.5179, 53.7909,
15.0645


 3.9827, 10.2796,
0.4817


 44.8220, 72.7736,
23.9225

 1.6923, 5.5847,
0.0000

 61.4249, 95.7672,
35.7101

 0.4515, 2.5943,
0.0000

 81.6920, 123.1558,
50.8459


 0.0000, 0.9238,
0.0000


 105.9885,
155.3240, 69.7484


 0.0000, 0.0000,
0.0000


 134.6800,


192.6562, 92.8361


 168.1317,
235.5367, 120.5277


 13.3448, 26.3201,
4.4631


 13.3448, 26.3201,
4.4631


 13.2827, 26.2908,
4.3746

 13.8098, 26.5486,
5.0268

 14.5712, 26.9189,
6.0663

 15.6789, 27.4547,
7.7118

 17.1683, 28.1726,
10.0364

 19.0699, 29.0870,
13.1031

■ 21.4116, 30.2111,
16.9676

■ 24.2186, 31.5567,
21.6802

■ 27.5141, 33.1349,
27.2872

■ 31.3200, 34.9560,
33.8314

Harmonies

Analogous

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



20.0399, 26.3201, 1.3785



13.3448, 26.3201, 4.4631



10.2999, 26.3201, 16.7529

Triad

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



13.3448, 26.3201, 4.4631



20.4129, 26.3201, 126.4455



49.3932, 26.3201, 15.9070

Complementary

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



13.3448, 26.3201, 4.4631



19.0412, 9.1010, 35.4048

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.



49.5747, 26.3201, 45.1800



13.3448, 26.3201, 4.4631



30.7555, 26.3201, 125.5604

Square

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



13.3448, 26.3201, 4.4631



13.5528, 26.3201, 91.4916



42.0490, 26.3201, 89.5518



41.6058, 26.3201, 4.2073

Rectangle

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



13.3448, 26.3201, 4.4631



10.0130, 26.3201, 34.6148



42.0490, 26.3201, 89.5518



50.4051, 26.3201, 23.4273

Sweetspot

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



13.3454, 26.3212, 4.4637



42.6232, 56.1547, 37.5614



25.5557, 28.6621, 4.2720



9.1010, 12.3859, 7.6419



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.



13.3454, 26.3212, 4.4637



23.7150, 47.0457, 7.8308



14.1489, 26.6202, 9.7042



7.0403, 7.9233, 7.5384



10.3407, 20.4413, 3.4006



0.2334, 0.4378, 0.0722

Inverse Universe

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



19.0412, 9.1010, 35.4048



33.8693, 16.0926, 63.3772



17.3901, 8.7533, 12.5793



7.3030, 7.1706, 8.9022



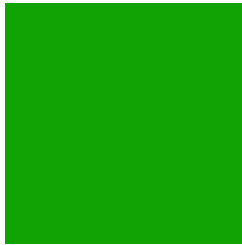
14.7545, 7.0127, 27.5057



0.3266, 0.1559, 0.5787

Previews

White Background



This preview shows how the XYZ color 13.3448, 26.3201, 4.4631 looks on a white background.

Color Contrast Check

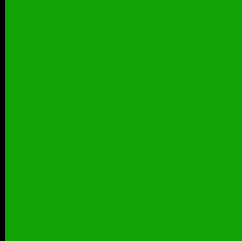
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3448, 26.3201, 4.4631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

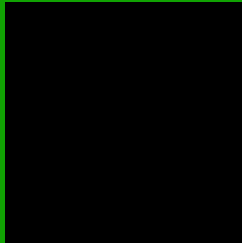
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.3448, 26.3201, 4.4631

Background



This preview shows how black text looks on a background with the XYZ color 13.3448, 26.3201, 4.4631.



This preview shows how white text looks on a background with the XYZ color 13.3448, 26.3201,

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

13.3448, 26.3201, 4.4631

Protanopia

23.2827, 25.9243, 3.7768

Deuteranopia

26.2338, 25.7378, 5.1753



Tritanopia

20.4549, 26.4389, 39.1471

Trichromacy



Original Color

13.3448, 26.3201, 4.4631



Protanomaly

16.5392, 24.2462, 3.8370



Deuteranomaly

17.4483, 23.5583, 4.4382



Tritanomaly

15.8035, 25.5007, 17.4538

Monochromacy



Original Color

13.3448, 26.3201, 4.4631



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

10.6876, 16.0990, 7.5452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3448, 26.3201, 4.4631 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(17, 163, 3)` looks like.

```
.text, #text, p{  
    color:rgb(17, 163, 3)  
}
```

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(17, 163, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 163, 3) }
```

Border

The CSS property to change the border of an element to XYZ 13.3448, 26.3201, 4.4631 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(17, 163, 3) }
```


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

```
.border{ border-color:rgb(17, 163, 3) }
```

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

Here you see how a box with a 4 pixel rgb(17, 163, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 163, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 163, 3);  
box-shadow:4px 4px 4px 4px rgb(17, 163, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3448, 26.3201, 4.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 163, 3) }
```

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

```
.background{ background-color: rgb(17, 163,  
3) }
```

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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