

Converting Colors

XYZ(13.9515, 26.5179, 13.3556)

Have a look what the booklet for
XYZ(13.9515, 26.5179, 13.3556)
contains.

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Color

**XYZ(14.8175, 26.8825,
13.4247)**

Conversions

Conversions Part 1

Format	Color
Hex	00A357
RGB	0, 163, 87
RGB Percent	0%, 64%, 34%
CMY	1.0000, 0.3608, 0.6588
CMYK	1.00, 0.00, 0.47, 0.36
HSL	152°, 100%, 32%
HSV	152°, 100%, 64%
XYZ	14.8175, 26.8825, 13.4247
YIQ	105.5990, -72.7520, -58.1920

Conversions

Conversions Part 2

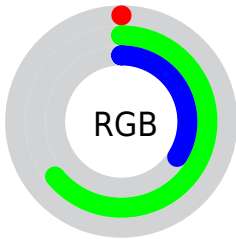
Format	Color
RYB	0, 106, 163
Decimal	41815
CIELab	58.87, -53.59, 29.54
CIElCh	59, 61.194, 151.142
Yxy	26.8825, 0.2688, 0.4877
Android (android.graphics.Color)	4278231895 (0xFF00A357)
YUV	105.5990, -9.1693, -92.6103
Hunter-Lab	51.8483, -39.7219, 20.9423

Details

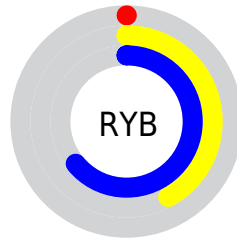
The XYZ color **14.8175, 26.8825, 13.4247** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.4097, 8.3089, 7.5780**, and the grayscale version is **13.6295, 14.3393, 15.6155**.

A 20% lighter version of the original color is **34.1354, 54.6717, 32.7983**, and **5.9421, 11.2983, 3.7871** is the 20% darker color. If you saturate the color by 10%, you get **14.8179, 26.8835, 13.4245**, and if you desaturate by 10%, it is **15.3642, 27.1273, 15.1583**.

Distribution



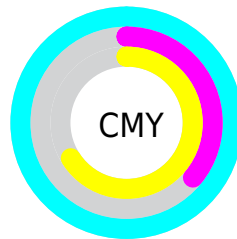
- Red (0%)
- Green (64%)
- Blue (34%)



- Red (0%)
- Yellow (42%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8175, 26.8825, 13.4247 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 14.8175, 26.8825, 13.4247 by changing the saturation by 10% instead.


 14.8175, 26.8825,
13.4247


 14.8175, 26.8825,
13.4247


215.6693,
287.0878, 224.9245


 8.7769, 17.4850,
7.5875


 34.1070, 54.6953,
32.7670


 4.6519, 10.5809,
3.7482


 48.0866, 73.8793,
47.1092


 2.0771, 5.7858,
1.4882

 65.4432, 97.0943,
65.1234

 0.6767, 2.7153,
0.2091

 86.5422, 124.7247,
87.2282

 0.0000, 0.9849,
0.0000

 111.7490,
157.1548, 113.8422

 0.0000, 0.0000,
0.0000

 141.4288,

194.7691, 145.3839

175.9471,
237.9520, 182.2718

■ 14.8175, 26.8825,
13.4247

■ 14.8175, 26.8825,
13.4247

■ 14.8179, 26.8835,
13.4245

■ 15.3642, 27.1273,
15.1583

■ 16.1208, 27.4756,
17.0769

■ 17.1637, 27.9676,
19.1895

■ 18.5263, 28.6202,
21.5022

■ 20.2368, 29.4481,
24.0210

■ 22.3206, 30.4640,
26.7512

■ 24.8003, 31.6797,
29.6981

■ 27.6967, 33.1057,
32.8667

■ 31.0291, 34.7520,
36.2619

Harmonies

Analogous

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



18.7468, 26.8825, 6.1419



14.8175, 26.8825, 13.4247



13.5992, 26.8825, 30.1077

Triad

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



14.8175, 26.8825, 13.4247



25.8417, 26.8825, 93.7375



40.1208, 26.8825, 12.5884

Complementary

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



14.8175, 26.8825, 13.4247



16.4097, 8.3089, 7.5780

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.



43.0137, 26.8825, 28.4489



14.8175, 26.8825, 13.4247



33.8297, 26.8825, 81.3145

Square

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



14.8175, 26.8825, 13.4247



19.1578, 26.8825, 82.9645



40.5133, 26.8825, 54.3112



33.2285, 26.8825, 5.8537

Rectangle

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



14.8175, 26.8825, 13.4247



14.2500, 26.8825, 46.9990



40.5133, 26.8825, 54.3112



41.6479, 26.8825, 16.6767

Sweetspot

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



14.8182, 26.8836, 13.4253



44.1449, 56.6017, 52.8782



16.0840, 27.7349, 4.5059



9.4985, 12.5082, 11.3918



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.



14.8182, 26.8836, 13.4253



26.4346, 48.1036, 23.5033



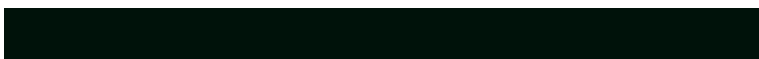
18.7648, 26.9517, 38.8648



7.1361, 7.9553, 8.3287



11.5390, 20.9019, 10.5547



0.2661, 0.4486, 0.3461

Inverse Universe

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



16.4097, 8.3089, 7.5780



29.2878, 14.8400, 13.0470



15.1639, 7.9050, 0.7268



7.2048, 7.1384, 8.0647



12.7753, 6.4662, 6.0074



0.2923, 0.1454, 0.2517

Previews

White Background



This preview shows how the XYZ color 14.8175, 26.8825, 13.4247 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 14.8175, 26.8825, 13.4247 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 14.8175, 26.8825, 13.4247

Background



This preview shows how black text looks on a background with the XYZ color 14.8175, 26.8825, 13.4247.



This preview shows how white text looks on a background with the XYZ color 14.8175, 26.8825,

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

14.8175, 26.8825, 13.4247

Protanopia

24.4537, 26.5828, 11.2393

Deuteranopia

27.0465, 26.5711, 14.2929



Tritanopia

20.4551, 26.8933, 40.6720

Trichromacy



Original Color

14.8175, 26.8825, 13.4247



Protanomaly

17.4160, 24.7567, 11.8433



Deuteranomaly

18.1981, 24.1943, 13.6084



Tritanomaly

17.4811, 26.3803, 28.2153

Monochromacy



Original Color

14.8175, 26.8825, 13.4247



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.1562, 17.2729, 14.4977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8175, 26.8825, 13.4247 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 87) }
```

Border

The CSS property to change the border of an element to XYZ 14.8175, 26.8825, 13.4247 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, 87) }
```


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

```
.border{ border-color:rgb(0, 163, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 163, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8175, 26.8825, 13.4247 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, 87) }
```

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

```
.background{ background-color: rgb(0, 163,  
87) }
```

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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