

Converting Colors

XYZ(15.2782, 27.8566, 13.4159)

Have a look what the booklet for
XYZ(15.2782, 27.8566, 13.4159)
contains.

XYZ(15.3159, 27.9443, 13.3907)	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>	31

Color

**XYZ(15.3159, 27.9443,
13.3907)**

Conversions

Conversions Part 1

Format	Color
Hex	00A656
RGB	0, 166, 86
RGB Percent	0%, 65%, 34%
CMY	1.0000, 0.3490, 0.6627
CMYK	1.00, 0.00, 0.48, 0.35
HSL	151°, 100%, 33%
HSV	151°, 100%, 65%
XYZ	15.3159, 27.9443, 13.3907
YIQ	107.2460, -73.2560, -60.0720

Conversions

Conversions Part 2

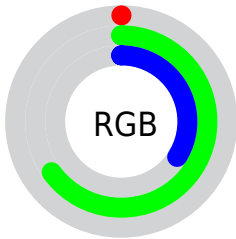
Format	Color
RYB	0, 109, 166
Decimal	42582
CIELab	59.84, -54.80, 31.30
CIELCh	60, 63.111, 150.271
Yxy	27.9443, 0.2704, 0.4933
Android (android.graphics.Color)	4278232662 (0xFF00A656)
YUV	107.2460, -10.4743, -94.0547
Hunter-Lab	52.8624, -40.7920, 21.9848

Details

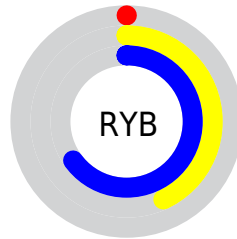
The XYZ color **15.3159, 27.9443, 13.3907** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.1747, 8.6866, 8.3618**, and the grayscale version is **14.0869, 14.8206, 16.1396**.

A 20% lighter version of the original color is **34.8531, 56.2224, 32.6820**, and **6.1440, 11.7283, 3.7737** is the 20% darker color. If you saturate the color by 10%, you get **15.3165, 27.9454, 13.3909**, and if you desaturate by 10%, it is **15.8814, 28.1972, 15.1959**.

Distribution



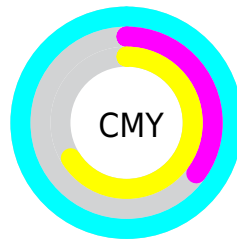
- Red (0%)
- Green (65%)
- Blue (34%)



- Red (0%)
- Yellow (43%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3159, 27.9443, 13.3907 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 15.3159, 27.9443, 13.3907 by changing the saturation by 10% instead.


 15.3159, 27.9443,
13.3907


 15.3159, 27.9443,
13.3907


218.6211,
292.2007, 224.7017


 9.1291, 18.2837,
7.5643


 34.9735, 56.3955,
32.7053


 4.8833, 11.1538,
3.7337


 49.1751, 75.9549,
47.0306


 2.2130, 6.1704,
1.4804


 66.7791, 99.5826,
65.0259

 0.7496, 2.9490,
0.2033

 88.1507, 127.6631,
87.1098

 0.0000, 1.1052,
0.0000

 113.6553,
160.5808, 113.7008

 0.0000, 0.0000,
0.0000

 143.6584,

198.7200, 145.2174

178.5252,
242.4652, 182.0782

■ 15.3159, 27.9443,
13.3907

■ 15.3159, 27.9443,
13.3907

■ 15.3165, 27.9454,
13.3909

■ 15.8814, 28.1972,
15.1959

■ 16.6689, 28.5596,
17.2051

■ 17.7572, 29.0725,
19.4284

■ 19.1811, 29.7539,
21.8727

■ 20.9706, 30.6192,
24.5447

■ 23.1521, 31.6817,
27.4506

■ 25.7494, 32.9537,
30.5964

■ 28.7844, 34.4464,
33.9877

■ 32.2775, 36.1701,
37.6302

Harmonies

Analogous

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



19.5357, 27.9443, 6.0337



15.3159, 27.9443, 13.3907



13.9556, 27.9443, 30.6354

Triad

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



15.3159, 27.9443, 13.3907



26.6330, 27.9443, 99.1693



42.1848, 27.9443, 13.1830

Complementary

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



15.3159, 27.9443, 13.3907



17.1747, 8.6866, 8.3618

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.



45.1048, 27.9443, 30.2187



15.3159, 27.9443, 13.3907



35.0941, 27.9443, 86.5423

Square

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



15.3159, 27.9443, 13.3907



19.6386, 27.9443, 86.9612



42.2839, 27.9443, 57.9213



34.9426, 27.9443, 5.9632

Rectangle

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



15.3159, 27.9443, 13.3907



14.5852, 27.9443, 48.3856



42.2839, 27.9443, 57.9213



43.7624, 27.9443, 17.5727

Sweetspot

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



15.3166, 27.9454, 13.3913



46.4465, 59.6660, 55.1961



16.9651, 28.9893, 4.7015



9.9490, 13.1340, 11.8239



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.3166, 27.9454, 13.3913



27.6893, 50.6733, 23.7358



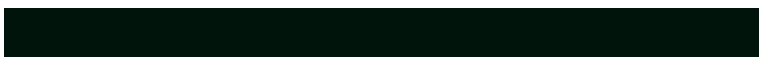
20.0224, 29.0317, 40.6261



7.5929, 8.4702, 8.8425



11.9005, 21.6789, 10.5086



0.3152, 0.5377, 0.3908

Inverse Universe

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



17.1747, 8.6866, 8.3618



31.0631, 15.7223, 14.6168



15.7566, 8.1675, 0.7461



7.6761, 7.6003, 8.6113



13.3409, 6.7451, 6.6069



0.3506, 0.1745, 0.2975

Previews

White Background



This preview shows how the XYZ color 15.3159, 27.9443, 13.3907 looks on a white background.

Color Contrast Check

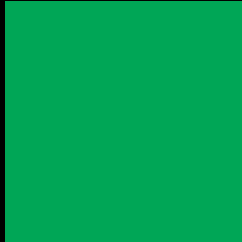
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3159, 27.9443, 13.3907 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 15.3159, 27.9443, 13.3907

Background



This preview shows how black text looks on a background with the XYZ color 15.3159, 27.9443, 13.3907.



This preview shows how white text looks on a background with the XYZ color 15.3159, 27.9443,

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

15.3159, 27.9443, 13.3907

Protanopia

25.2982, 27.4641, 11.1755

Deuteranopia

27.9347, 27.4523, 14.1824



Tritanopia

21.2683, 28.0353, 41.8265

Trichromacy



Original Color

15.3159, 27.9443, 13.3907



Protanomaly

17.9186, 25.4940, 11.7610



Deuteranomaly

18.7420, 25.1692, 13.5432



Tritanomaly

18.1061, 27.4568, 28.7715

Monochromacy



Original Color

15.3159, 27.9443, 13.3907



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.3552, 17.5681, 14.5442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3159, 27.9443, 13.3907 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, 166, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 86)  
}
```

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, 166, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 86) }
```

Border

The CSS property to change the border of an element to XYZ 15.3159, 27.9443, 13.3907 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, 166, 86) }
```


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

```
.border{ border-color:rgb(0, 166, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3159, 27.9443, 13.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 86) }
```

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

```
.background{ background-color: rgb(0, 166,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor