

Converting Colors

XYZ(13.1487, 26.3857, 14.1539)

Have a look what the booklet for
XYZ(13.1487, 26.3857, 14.1539)
contains.

XYZ(15.1209, 27.2891, 14.1432)	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(15.1209, 27.2891,
14.1432)**

Conversions

Conversions Part 1

Format	Color
Hex	00A45A
RGB	0, 164, 90
RGB Percent	0%, 64%, 35%
CMY	1.0000, 0.3569, 0.6471
CMYK	1.00, 0.00, 0.45, 0.36
HSL	153°, 100%, 32%
HSV	153°, 100%, 64%
XYZ	15.1209, 27.2891, 14.1432
YIQ	106.5280, -73.9900, -57.7820

Conversions

Conversions Part 2

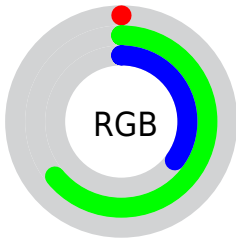
Format	Color
RYB	0, 106, 164
Decimal	42074
CIELab	59.24, -53.39, 28.44
CIELCh	59, 60.490, 151.958
Yxy	27.2891, 0.2674, 0.4825
Android (android.graphics.Color)	4278232154 (0xFF00A45A)
YUV	106.5280, -8.1483, -93.4251
Hunter-Lab	52.2390, -39.7502, 20.5151

Details

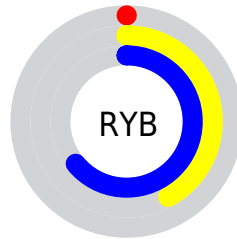
The XYZ color **15.1209, 27.2891, 14.1432** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.5468, 8.3875, 7.2266**, and the grayscale version is **13.8819, 14.6049, 15.9047**.

A 20% lighter version of the original color is **34.6174, 55.2831, 34.0455**, and **6.1024, 11.5360, 4.0955** is the 20% darker color. If you saturate the color by 10%, you get **15.1214, 27.2901, 14.1432**, and if you desaturate by 10%, it is **15.6731, 27.5363, 15.8968**.

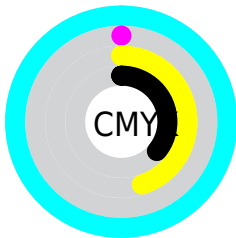
Distribution



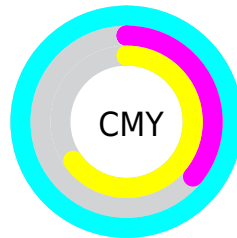
- Red (0%)
- Green (64%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1209, 27.2891, 14.1432 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 15.1209, 27.2891, 14.1432 by changing the saturation by 10% instead.


 15.1209, 27.2891,
14.1432


 15.1209, 27.2891,
14.1432


217.4707,
289.0542, 229.5792


 8.9911, 17.7905,
8.0804


 34.6351, 55.3474,
34.0637


 4.7925, 10.7997,
4.0580


 48.7502, 74.6759,
48.7585


 2.1595, 5.9323,
1.6572

 66.2578, 98.0498,
67.1677

 0.7213, 2.8039,
0.3311

 87.5232, 125.8535,
89.7099

 0.0000, 1.0303,
0.0000

 112.9119,
158.4714, 116.8036

 0.0000, 0.0000,
0.0000

 142.7891,

196.2879, 148.8674

177.5203,
239.6873, 186.3197

■ 15.1209, 27.2891,
14.1432

■ 15.1209, 27.2891,
14.1432

■ 15.1214, 27.2901,
14.1432

■ 15.6731, 27.5363,
15.8968

■ 16.4367, 27.8880,
17.8281

■ 17.4885, 28.3844,
19.9456

■ 18.8625, 29.0430,
22.2551

■ 20.5873, 29.8785,
24.7620

■ 22.6884, 30.9039,
27.4716

■ 25.1888, 32.1309,
30.3886

■ 28.1095, 33.5704,
33.5178

■ 31.4702, 35.2323,
36.8637

Harmonies

Analogous

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



18.9890, 27.2891, 6.5596



15.1209, 27.2891, 14.1432



13.9684, 27.2891, 31.1562

Triad

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



15.1209, 27.2891, 14.1432



26.4366, 27.2891, 93.6205



40.3025, 27.2891, 12.6959

Complementary

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



15.1209, 27.2891, 14.1432



16.5468, 8.3875, 7.2266

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.



43.3142, 27.2891, 28.3154



15.1209, 27.2891, 14.1432



34.4028, 27.2891, 80.7702

Square

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



15.1209, 27.2891, 14.1432



19.6953, 27.2891, 83.5683



40.9715, 27.2891, 53.8502



33.3762, 27.2891, 6.0544

Rectangle

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



15.1209, 27.2891, 14.1432



14.6712, 27.2891, 48.1232



40.9715, 27.2891, 53.8502



41.8608, 27.2891, 16.7232

Sweetspot

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



15.1216, 27.2902, 14.1438



45.4423, 58.1842, 54.8474



16.2994, 28.1106, 4.5670



9.5230, 12.5180, 11.5208



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.



15.1216, 27.2902, 14.1438



27.3403, 49.4917, 25.1102



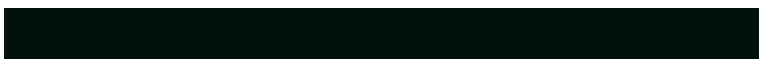
19.0197, 27.3176, 39.3937



7.1405, 7.9570, 8.3518



11.6182, 20.9336, 10.9719



0.2675, 0.4492, 0.3539

Inverse Universe

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



16.5468, 8.3875, 7.2266



29.9316, 15.1829, 12.5780



15.3699, 8.0116, 0.7365



7.2004, 7.1366, 8.0418



12.7101, 6.4401, 5.6638



0.2908, 0.1448, 0.2439

Previews

White Background



This preview shows how the XYZ color 15.1209, 27.2891, 14.1432 looks on a white background.

Color Contrast Check

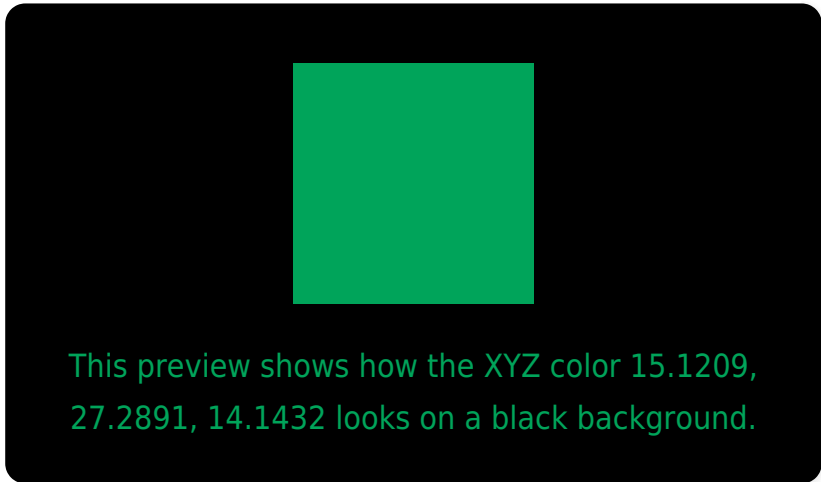
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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

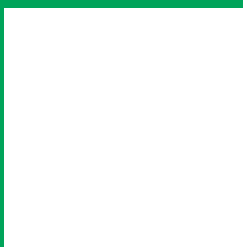
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1209, 27.2891, 14.1432

Background



This preview shows how black text looks on a background with the XYZ color 15.1209, 27.2891, 14.1432.



This preview shows how white text looks on a background with the XYZ color 15.1209, 27.2891,

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

15.1209, 27.2891, 14.1432

Protanopia

24.7136, 26.9238, 11.8769

Deuteranopia

27.3240, 26.9064, 15.0626



Tritanopia

20.7137, 27.2619, 41.2161

Trichromacy



Original Color

15.1209, 27.2891, 14.1432



Protanomaly

17.6916, 25.1212, 12.5108



Deuteranomaly

18.4836, 24.5541, 14.3549



Tritanomaly

17.7972, 26.7785, 29.0417

Monochromacy



Original Color

15.1209, 27.2891, 14.1432



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.4520, 17.6069, 15.0541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1209, 27.2891, 14.1432 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, 164, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 90)  
}
```

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, 164, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 90) }
```

Border

The CSS property to change the border of an element to XYZ 15.1209, 27.2891, 14.1432 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, 164, 90) }
```


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

```
.border{ border-color:rgb(0, 164, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 164, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1209, 27.2891, 14.1432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 90) }
```

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

```
.background{ background-color: rgb(0, 164,  
90) }
```

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