

Converting Colors

XYZ(10.6199, 25.6248, 7.3432)

Have a look what the booklet for
XYZ(10.6199, 25.6248, 7.3432)
contains.

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Color

**XYZ(14.1906, 27.4942,
7.4647)**

Conversions

Conversions Part 1

Format	Color
Hex	00A631
RGB	0, 166, 49
RGB Percent	0%, 65%, 19%
CMY	1.0000, 0.3490, 0.8078
CMYK	1.00, 0.00, 0.70, 0.35
HSL	138°, 100%, 33%
HSV	138°, 100%, 65%
XYZ	14.1906, 27.4942, 7.4647
YIQ	103.0280, -61.3790, -71.5790

Conversions

Conversions Part 2

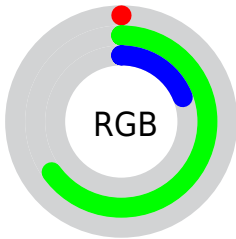
Format	Color
RYB	0, 128, 166
Decimal	42545
CIELab	59.43, -59.87, 48.19
CIELCh	59, 76.861, 141.168
Yxy	27.4942, 0.2887, 0.5594
Android (android.graphics.Color)	4278232625 (0xFF00A631)
YUV	103.0280, -26.6358, -90.3556
Hunter-Lab	52.4349, -43.4532, 28.2638

Details

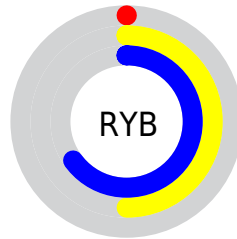
The XYZ color **14.1906, 27.4942, 7.4647** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.9375, 9.3918, 17.6448**, and the grayscale version is **12.9801, 13.6561, 14.8715**.

A 20% lighter version of the original color is **32.8839, 55.4574, 21.2831**, and **5.7942, 11.5883, 1.9314** is the 20% darker color. If you saturate the color by 10%, you get **14.1912, 27.4953, 7.4651**, and if you desaturate by 10%, it is **14.6952, 27.7228, 8.9497**.

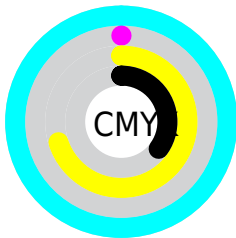
Distribution



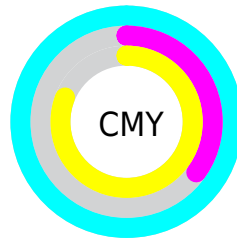
- Red (0%)
- Green (65%)
- Blue (19%)



- Red (0%)
- Yellow (50%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1906, 27.4942, 7.4647 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 14.1906, 27.4942, 7.4647 by changing the saturation by 10% instead.

■ 14.1906, 27.4942,
7.4647

■ 14.1906, 27.4942,
7.4647

211.9003,
290.0421, 181.2459

■ 8.3359, 17.9447,
3.6716

■ 33.0103, 55.6759,
21.4307

■ 4.3643, 10.9103,
1.4469

■ 46.7060, 75.0769,
32.4407

■ 1.9102, 6.0066,
0.1779

■ 63.7462, 98.5305,
46.6933

■ 0.5828, 2.8491,
0.0000

■ 84.4961, 126.4212,
64.6072

■ 0.0000, 1.0534,
0.0000

■ 109.3211,
159.1333, 86.6009

■ 0.0000, 0.0000,
0.0000

■ 138.5865,

197.0512, 113.0928

172.6578,
240.5593, 144.5017

■ 14.1906, 27.4942,
7.4647

■ 14.1906, 27.4942,
7.4647

■ 14.1912, 27.4953,
7.4651

■ 14.6952, 27.7228,
8.9497

■ 15.4534, 28.0734,
10.8044

■ 16.5468, 28.5884,
13.0549

■ 18.0131, 29.2868,
15.7226

■ 19.8849, 30.1849,
18.8276

■ 22.1907, 31.2972,
22.3886

■ 24.9567, 32.6367,
26.4229

■ 28.2069, 34.2154,
30.9474

■ 31.9634, 36.0445,
35.9777

Harmonies

Analogous

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



19.9950, 27.4942, 2.7074



14.1906, 27.4942, 7.4647



11.7637, 27.4942, 22.5042

Triad

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



14.1906, 27.4942, 7.4647



23.3889, 27.4942, 118.9785



47.5053, 27.4942, 14.5692

Complementary

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



14.1906, 27.4942, 7.4647



18.9375, 9.3918, 17.6448

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.



49.0573, 27.4942, 38.8478



14.1906, 27.4942, 7.4647



33.4125, 27.4942, 111.7241

Square

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



14.1906, 27.4942, 7.4647



16.1488, 27.4942, 93.2412



43.3917, 27.4942, 77.0760



39.5613, 27.4942, 4.7037

Rectangle

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



14.1906, 27.4942, 7.4647



11.8410, 27.4942, 41.4389



43.3917, 27.4942, 77.0760



48.8579, 27.4942, 20.7878

Sweetspot

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



14.1913, 27.4953, 7.4653



44.9890, 59.0830, 47.5209



21.2403, 31.1933, 4.9015



9.5932, 12.9917, 9.9505



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.



14.1913, 27.4953, 7.4653



25.6734, 49.8669, 13.1199



17.6685, 28.8862, 25.7762



7.5245, 8.4428, 8.4820



11.0224, 21.3277, 5.8851



0.2903, 0.5277, 0.2595

Inverse Universe

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



18.9375, 9.3918, 17.6448



34.2716, 17.0057, 31.5128



16.0445, 8.2346, 2.4104



7.7461, 7.6283, 8.9803



14.7057, 7.2910, 13.7934



0.3786, 0.1857, 0.4449

Previews

White Background



This preview shows how the XYZ color 14.1906, 27.4942, 7.4647 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 14.1906, 27.4942, 7.4647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

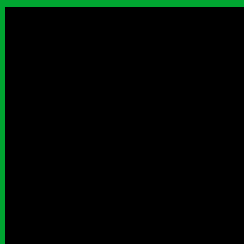
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.1906, 27.4942, 7.4647

Background



This preview shows how black text looks on a background with the XYZ color 14.1906, 27.4942, 7.4647.



This preview shows how white text looks on a background with the XYZ color 14.1906, 27.4942,

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

14.1906, 27.4942, 7.4647

Protanopia

24.4071, 26.8913, 6.1897

Deuteranopia

27.3841, 26.8843, 8.0209



Tritanopia

21.1731, 27.4988, 41.2376

Trichromacy



Original Color

14.1906, 27.4942, 7.4647



Protanomaly

16.9071, 25.0894, 6.4343



Deuteranomaly

17.6748, 24.2880, 7.4979



Tritanomaly

17.0961, 26.7905, 23.6721

Monochromacy



Original Color

14.1906, 27.4942, 7.4647



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.2690, 16.7045, 10.8140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1906, 27.4942, 7.4647 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 49) }
```

Border

The CSS property to change the border of an element to XYZ 14.1906, 27.4942, 7.4647 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, 49) }
```


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

```
.border{ border-color:rgb(0, 166, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.1906, 27.4942, 7.4647 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, 49) }
```

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

```
.background{ background-color: rgb(0, 166,  
49) }
```

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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