

Converting Colors

XYZ(14.1261, 27.8863, 8.4708)

Have a look what the booklet for
XYZ(14.1261, 27.8863, 8.4708)
contains.

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Color

**XYZ(14.7412, 28.3007,
8.5565)**

Conversions

Conversions Part 1

Format	Color
Hex	00A839
RGB	0, 168, 57
RGB Percent	0%, 66%, 22%
CMY	1.0000, 0.3412, 0.7765
CMYK	1.00, 0.00, 0.66, 0.34
HSL	140°, 100%, 33%
HSV	140°, 100%, 66%
XYZ	14.7412, 28.3007, 8.5565
YIQ	105.1140, -64.4970, -70.1370

Conversions

Conversions Part 2

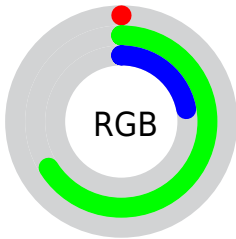
Format	Color
RYB	0, 125, 168
Decimal	43065
CIELab	60.16, -59.63, 45.64
CIELCh	60, 75.098, 142.570
Yxy	28.3007, 0.2857, 0.5485
Android (android.graphics.Color)	4278233145 (0xFF00A839)
YUV	105.1140, -23.7202, -92.1850
Hunter-Lab	53.1984, -43.6351, 27.7026

Details

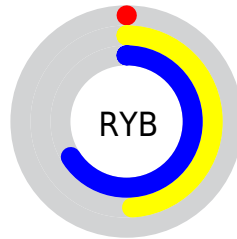
The XYZ color **14.7412, 28.3007, 8.5565** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.0188, 9.4732, 15.8671**, and the grayscale version is **13.5341, 14.2389, 15.5062**.

A 20% lighter version of the original color is **33.8296, 56.6907, 23.6274**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.7417, 28.3018, 8.5565**, and if you desaturate by 10%, it is **15.2775, 28.5424, 10.1895**.

Distribution



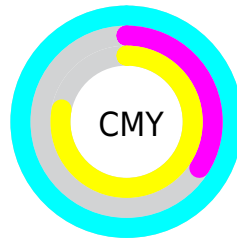
- Red (0%)
- Green (66%)
- Blue (22%)



- Red (0%)
- Yellow (49%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7412, 28.3007, 8.5565 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 14.7412, 28.3007, 8.5565 by changing the saturation by 10% instead.


 14.7412, 28.3007,
8.5565


 14.7412, 28.3007,
8.5565


215.2140,
293.9010, 190.1287


 8.7231, 18.5525,
4.3602


 33.9739, 56.9642,
23.6063


 4.6167, 11.3473,
1.8250


 47.9192, 76.6482,
35.2969


 2.0566, 6.3010,
0.4443


 65.2377, 100.4129,
50.3228

 0.6654, 3.0289,
0.0000

 86.2946, 128.6427,
69.1023

 0.0000, 1.1469,
0.0000

 111.4553,
161.7221, 92.0541

 0.0000, 0.0177,
0.0000

 141.0852,

 0.0000, 0.0000,

200.0353, 119.5968

0.0000

175.5496,
243.9668, 152.1488

■ 14.7412, 28.3007,
8.5565

■ 14.7412, 28.3007,
8.5565

■ 14.7417, 28.3018,
8.5565

■ 15.2775, 28.5424,
10.1895

■ 16.0688, 28.9073,
12.1689

■ 17.1973, 29.4383,
14.5167

■ 18.7011, 30.1546,
17.2510

■ 20.6130, 31.0728,
20.3885

■ 22.9619, 32.2074,
23.9448

■ 25.7740, 33.5717,
27.9350

■ 29.0735, 35.1778,
32.3731

■ 32.8826, 37.0370,
37.2726

Harmonies

Analogous

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



20.4174, 28.3007, 3.2380



14.7412, 28.3007, 8.5565



12.4319, 28.3007, 24.4712

Triad

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



14.7412, 28.3007, 8.5565



24.5818, 28.3007, 118.5925



47.8003, 28.3007, 14.6507

Complementary

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



14.7412, 28.3007, 8.5565



19.0188, 9.4732, 15.8671

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.



49.6712, 28.3007, 38.1693



14.7412, 28.3007, 8.5565



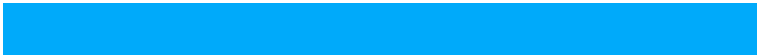
34.6248, 28.3007, 109.9565

Square

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



14.7412, 28.3007, 8.5565



17.1666, 28.3007, 94.7525



44.3829, 28.3007, 75.4122



39.7515, 28.3007, 5.0114

Rectangle

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



14.7412, 28.3007, 8.5565



12.6045, 28.3007, 43.8128



44.3829, 28.3007, 75.4122



49.2397, 28.3007, 20.6809

Sweetspot

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



14.7419, 28.3019, 8.5571



46.4629, 60.7696, 50.2673



20.6859, 31.4514, 4.9807



9.6601, 13.0185, 10.3028



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.



14.7419, 28.3019, 8.5571



26.6595, 51.3196, 15.0503



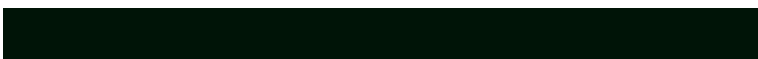
18.7372, 29.9000, 29.5961



7.5379, 8.4482, 8.5525



11.1538, 21.3803, 6.5767



0.2952, 0.5297, 0.2854

Inverse Universe

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



19.0188, 9.4732, 15.8671



34.4067, 17.1478, 28.2434



16.3589, 8.4092, 1.8600



7.7321, 7.6227, 8.9065



14.3862, 7.1632, 12.1110



0.3725, 0.1833, 0.4129

Previews

White Background



This preview shows how the XYZ color 14.7412, 28.3007, 8.5565 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 14.7412, 28.3007, 8.5565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

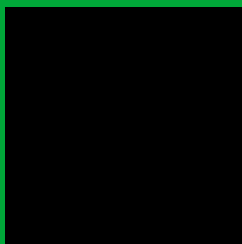
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7412, 28.3007, 8.5565

Background



This preview shows how black text looks on a background with the XYZ color 14.7412, 28.3007, 8.5565.



This preview shows how white text looks on a background with the XYZ color 14.7412, 28.3007,

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

14.7412, 28.3007, 8.5565

Protanopia

25.2469, 27.7539, 7.0440

Deuteranopia

28.3189, 27.7615, 9.1761



Tritanopia

21.6966, 28.2452, 42.3385

Trichromacy



Original Color

14.7412, 28.3007, 8.5565



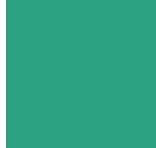
Protanomaly

17.5133, 25.8643, 7.4374



Deuteranomaly

18.2972, 25.0494, 8.5733



Tritanomaly

17.7036, 27.5883, 25.1609

Monochromacy



Original Color

14.7412, 28.3007, 8.5565



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.7954, 17.3362, 11.9571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7412, 28.3007, 8.5565 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, 168, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 57)  
}
```

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, 168, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 57) }
```

Border

The CSS property to change the border of an element to XYZ 14.7412, 28.3007, 8.5565 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, 168, 57) }
```


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

```
.border{ border-color:rgb(0, 168, 57) }
```

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

Here you see how a box with a 4 pixel rgb(0, 168, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.7412, 28.3007, 8.5565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 57) }
```

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

```
.background{ background-color: rgb(0, 168,  
57) }
```

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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