

Converting Colors

XYZ(11.6173, 26.7732, 8.3274)

Have a look what the booklet for
XYZ(11.6173, 26.7732, 8.3274)
contains.

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Color

**XYZ(14.7164, 28.2908,
8.4264)**

Conversions

Conversions Part 1

Format	Color
Hex	00A838
RGB	0, 168, 56
RGB Percent	0%, 66%, 22%
CMY	1.0000, 0.3412, 0.7804
CMYK	1.00, 0.00, 0.67, 0.34
HSL	140°, 100%, 33%
HSV	140°, 100%, 66%
XYZ	14.7164, 28.2908, 8.4264
YIQ	105.0000, -64.1760, -70.4480

Conversions

Conversions Part 2

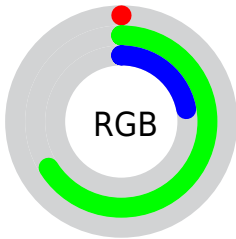
Format	Color
RYB	0, 126, 168
Decimal	43064
CIELab	60.15, -59.75, 46.06
CIELCh	60, 75.443, 142.368
Yxy	28.2908, 0.2861, 0.5500
Android (android.graphics.Color)	4278233144 (0xFF00A838)
YUV	105.0000, -24.1570, -92.0850
Hunter-Lab	53.1891, -43.6934, 27.8394

Details

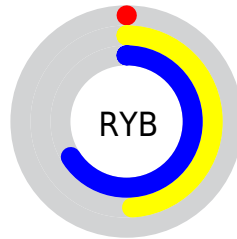
The XYZ color **14.7164, 28.2908, 8.4264** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.0737, 9.4950, 16.1566**, and the grayscale version is **13.5036, 14.2068, 15.4713**.

A 20% lighter version of the original color is **34.0456, 57.2084, 23.4353**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.7171, 28.2920, 8.4270**, and if you desaturate by 10%, it is **15.2501, 28.5314, 10.0456**.

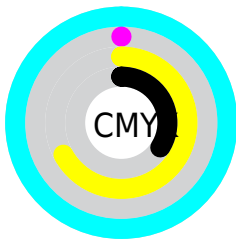
Distribution



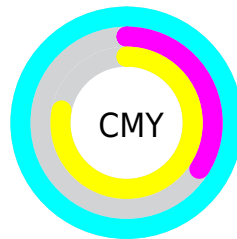
- Red (0%)
- Green (66%)
- Blue (22%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (34%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7164, 28.2908, 8.4264 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 14.7164, 28.2908, 8.4264 by changing the saturation by 10% instead.


 14.7164, 28.2908,
8.4264


 14.7164, 28.2908,
8.4264


215.0658,
293.8539, 189.0970


 8.7056, 18.5450,
4.2773


 33.9306, 56.9484,
23.3500


 4.6052, 11.3420,
1.7787


 47.8648, 76.6289,
34.9617


 2.0499, 6.2973,
0.4138


 65.1708, 100.3899,
49.8979

 0.6618, 3.0267,
0.0000

 86.2140, 128.6156,
68.5773

 0.0000, 1.1457,
0.0000

 111.3597,
161.6904, 91.4183

 0.0000, 0.0167,
0.0000

 140.9734,

 0.0000, 0.0000,

199.9988, 118.8396

0.0000

175.4203,
243.9252, 151.2597

■ 14.7164, 28.2908,
8.4264

■ 14.7164, 28.2908,
8.4264

■ 14.7171, 28.2920,
8.4270

■ 15.2501, 28.5314,
10.0456

■ 16.0395, 28.8956,
12.0158

■ 17.1671, 29.4262,
14.3596

■ 18.6711, 30.1426,
17.0955

■ 20.5843, 31.0612,
20.2407

■ 22.9358, 32.1968,
23.8114

■ 25.7518, 33.5627,
27.8230

■ 29.0565, 35.1709,
32.2898

■ 32.8724, 37.0327,
37.2257

Harmonies

Analogous

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



20.4327, 28.2908, 3.1701



14.7164, 28.2908, 8.4264



12.3810, 28.2908, 24.2763

Triad

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



14.7164, 28.2908, 8.4264



24.5016, 28.2908, 119.0991



47.9384, 28.2908, 14.6927

Complementary

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



14.7164, 28.2908, 8.4264



19.0737, 9.4950, 16.1566

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.



49.7710, 28.2908, 38.4078



14.7164, 28.2908, 8.4264



34.5808, 28.2908, 110.6246

Square

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



14.7164, 28.2908, 8.4264



17.0830, 28.2908, 94.8972



44.4084, 28.2908, 75.9322



39.8737, 28.2908, 4.9847

Rectangle

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



14.7164, 28.2908, 8.4264



12.5404, 28.2908, 43.6351



44.4084, 28.2908, 75.9322



49.3709, 28.2908, 20.7724

Sweetspot

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



14.7171, 28.2920, 8.4270



46.4245, 60.7543, 50.0648



20.6856, 31.4513, 4.9805



9.6510, 13.0148, 10.2550



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.



14.7171, 28.2920, 8.4270



26.6159, 51.3021, 14.8208



18.7370, 29.8999, 29.5957



7.5361, 8.4475, 8.5430



11.1350, 21.3728, 6.4777



0.2945, 0.5294, 0.2819

Inverse Universe

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



19.0737, 9.4950, 16.1566



34.5074, 17.1881, 28.7734



16.3587, 8.4090, 1.8595



7.7340, 7.6235, 8.9164



14.4276, 7.1798, 12.3293



0.3733, 0.1836, 0.4171

Previews

White Background



This preview shows how the XYZ color 14.7164, 28.2908, 8.4264 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 14.7164, 28.2908, 8.4264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

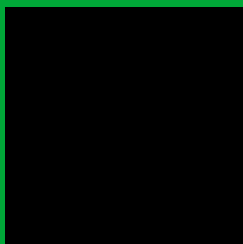
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7164, 28.2908, 8.4264

Background



This preview shows how black text looks on a background with the XYZ color 14.7164, 28.2908, 8.4264.



This preview shows how white text looks on a background with the XYZ color 14.7164, 28.2908,

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

14.7164, 28.2908, 8.4264

Protanopia

25.2256, 27.7453, 6.9316

Deuteranopia

28.2891, 27.7496, 9.0195



Tritanopia

21.6966, 28.2452, 42.3385

Trichromacy



Original Color

14.7164, 28.2908, 8.4264



Protanomaly

17.4906, 25.8552, 7.3175



Deuteranomaly

18.2695, 25.0383, 8.4274



Tritanomaly

17.7036, 27.5883, 25.1609

Monochromacy



Original Color

14.7164, 28.2908, 8.4264



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.7542, 17.3198, 11.7404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7164, 28.2908, 8.4264 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 56) }
```

Border

The CSS property to change the border of an element to XYZ 14.7164, 28.2908, 8.4264 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, 56) }
```


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

```
.border{ border-color:rgb(0, 168, 56) }
```

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, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.7164, 28.2908, 8.4264 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, 56) }
```

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

```
.background{ background-color: rgb(0, 168,  
56) }
```

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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