

Converting Colors

XYZ(14.7834, 27.6587, 10.8103)

Have a look what the booklet for
XYZ(14.7834, 27.6587, 10.8103)
contains.

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Color

**XYZ(14.8388, 27.7535,
10.8782)**

Conversions

Conversions Part 1

Format	Color
Hex	00A649
RGB	0, 166, 73
RGB Percent	0%, 65%, 29%
CMY	1.0000, 0.3490, 0.7137
CMYK	1.00, 0.00, 0.56, 0.35
HSL	146°, 100%, 33%
HSV	146°, 100%, 65%
XYZ	14.8388, 27.7535, 10.8782
YIQ	105.7640, -69.0830, -64.1150

Conversions

Conversions Part 2

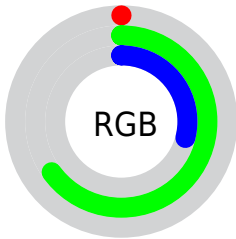
Format	Color
RYB	0, 115, 166
Decimal	42569
CIELab	59.67, -56.91, 37.65
CIELCh	60, 68.243, 146.511
Yxy	27.7535, 0.2775, 0.5190
Android (android.graphics.Color)	4278232649 (0xFF00A649)
YUV	105.7640, -16.1527, -92.7550
Hunter-Lab	52.6816, -41.9148, 24.6343

Details

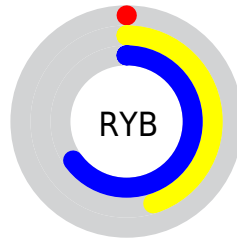
The XYZ color **14.8388, 27.7535, 10.8782** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.7024, 8.8977, 11.1409**, and the grayscale version is **13.6919, 14.4050, 15.6870**.

A 20% lighter version of the original color is **34.0738, 55.9219, 28.0669**, and **5.9488, 11.6502, 2.7458** is the 20% darker color. If you saturate the color by 10%, you get **14.8394, 27.7546, 10.8786**, and if you desaturate by 10%, it is **15.3954, 28.0029, 12.6369**.

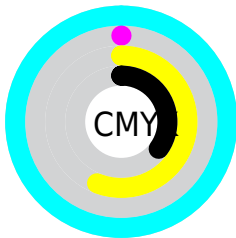
Distribution



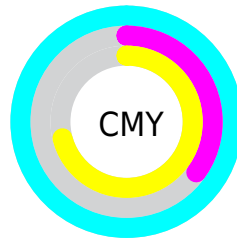
- Red (0%)
- Green (65%)
- Blue (29%)



- Red (0%)
- Yellow (45%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8388, 27.7535, 10.8782 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 14.8388, 27.7535, 10.8782 by changing the saturation by 10% instead.

■ 14.8388, 27.7535,
10.8782

■ 14.8388, 27.7535,
10.8782

215.7962,
291.2872, 207.5374

■ 8.7919, 18.1399,
5.8719

■ 34.1441, 56.0907,
28.0679

■ 4.6617, 11.0505,
2.6998

■ 48.1333, 75.5830,
41.0884

■ 2.0829, 6.1008,
0.9433

■ 65.5005, 99.1371,
57.6173

■ 0.6799, 2.9065,
0.0000

■ 86.6113, 127.1373,
78.0731

■ 0.0000, 1.0831,
0.0000

■ 111.8309,
159.9680, 102.8746

■ 0.0000, 0.0000,
0.0000

■ 141.5246,

198.0136, 132.4400

176.0580,
241.6586, 167.1881

■ 14.8388, 27.7535,
10.8782

■ 14.8388, 27.7535,
10.8782

■ 14.8394, 27.7546,
10.8786

■ 15.3954, 28.0029,
12.6369

■ 16.1849, 28.3660,
14.6566

■ 17.2867, 28.8843,
16.9512

■ 18.7364, 29.5761,
19.5312

■ 20.5645, 30.4567,
22.4066

■ 22.7980, 31.5401,
25.5868

■ 25.4614, 32.8385,
29.0807

■ 28.5770, 34.3635,
32.8969

■ 32.1658, 36.1255,
37.0436

Harmonies

Analogous

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



19.6564, 27.7535, 4.5475



14.8388, 27.7535, 10.8782



13.0625, 27.7535, 27.4239

Triad

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



14.8388, 27.7535, 10.8782



25.3840, 27.7535, 106.5700



44.1438, 27.7535, 13.6087

Complementary

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



14.8388, 27.7535, 10.8782



17.7024, 8.8977, 11.1409

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.



46.5990, 27.7535, 33.1975



14.8388, 27.7535, 10.8782



34.4820, 27.7535, 95.6184

Square

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



14.8388, 27.7535, 10.8782



18.2565, 27.7535, 89.5324



42.7387, 27.7535, 64.6646



36.6109, 27.7535, 5.4138

Rectangle

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



14.8388, 27.7535, 10.8782



13.4750, 27.7535, 45.7994



42.7387, 27.7535, 64.6646



45.6525, 27.7535, 18.6456

Sweetspot

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



14.8395, 27.7546, 10.8788



45.9168, 59.4542, 52.4070



18.2600, 29.6569, 4.7620



9.8190, 13.0820, 11.1394



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.



14.8395, 27.7546, 10.8788



26.8285, 50.3289, 19.2028



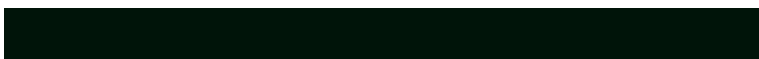
19.5478, 29.6380, 35.6727



7.5687, 8.4605, 8.7147



11.5295, 21.5306, 8.5553



0.3064, 0.5342, 0.3446

Inverse Universe

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



17.7024, 8.8977, 11.1409



32.0188, 16.1045, 19.6493



15.7874, 8.1317, 1.0562



7.7005, 7.6100, 8.7398



13.7506, 6.9089, 8.7640



0.3596, 0.1781, 0.3452

Previews

White Background



This preview shows how the XYZ color 14.8388, 27.7535, 10.8782 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 14.8388, 27.7535, 10.8782 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 14.8388, 27.7535, 10.8782

Background



This preview shows how black text looks on a background with the XYZ color 14.8388, 27.7535, 10.8782.



This preview shows how white text looks on a background with the XYZ color 14.8388, 27.7535,

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

14.8388, 27.7535, 10.8782

Protanopia

24.9064, 27.3074, 9.1124

Deuteranopia

27.7449, 27.2011, 11.5726



Tritanopia

21.2299, 27.7653, 41.7764

Trichromacy



Original Color

14.8388, 27.7535, 10.8782



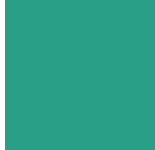
Protanomaly

17.5076, 25.3296, 9.5966



Deuteranomaly

18.3644, 24.7970, 11.0261



Tritanomaly

17.7883, 27.3343, 26.8928

Monochromacy



Original Color

14.8388, 27.7535, 10.8782



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.0543, 17.4398, 13.3206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8388, 27.7535, 10.8782 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 73) }
```

Border

The CSS property to change the border of an element to XYZ 14.8388, 27.7535, 10.8782 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, 73) }
```


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

```
.border{ border-color:rgb(0, 166, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8388, 27.7535, 10.8782 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, 73) }
```

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

```
.background{ background-color: rgb(0, 166,  
73) }
```

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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