

Converting Colors

XYZ(12.4228, 27.1028, 14.1023)

Have a look what the booklet for
XYZ(12.4228, 27.1028, 14.1023)
contains.

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Color

**XYZ(15.8058, 28.7265,
14.1629)**

Conversions

Conversions Part 1

Format	Color
Hex	00A859
RGB	0, 168, 89
RGB Percent	0%, 66%, 35%
CMY	1.0000, 0.3412, 0.6510
CMYK	1.00, 0.00, 0.47, 0.34
HSL	152°, 100%, 33%
HSV	152°, 100%, 66%
XYZ	15.8058, 28.7265, 14.1629
YIQ	108.7620, -74.7690, -60.1850

Conversions

Conversions Part 2

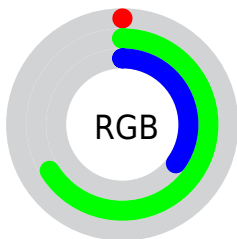
Format	Color
RYB	0, 110, 168
Decimal	43097
CIELab	60.54, -54.96, 30.63
CIELCh	61, 62.915, 150.867
Yxy	28.7265, 0.2693, 0.4894
Android (android.graphics.Color)	4278233177 (0xFF00A859)
YUV	108.7620, -9.7427, -95.3843
Hunter-Lab	53.5971, -41.1552, 21.8507

Details

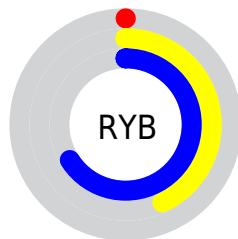
The XYZ color **15.8058, 28.7265, 14.1629** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.5608, 8.8900, 8.1894**, and the grayscale version is **14.5114, 15.2672, 16.6259**.

A 20% lighter version of the original color is **35.7037, 57.4289, 34.0141**, and **6.4176, 12.1947, 4.1134** is the 20% darker color. If you saturate the color by 10%, you get **15.8062, 28.7275, 14.1626**, and if you desaturate by 10%, it is **16.3840, 28.9850, 16.0166**.

Distribution



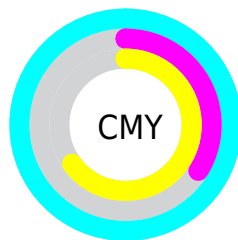
- Red (0%)
- Green (66%)
- Blue (35%)



- Red (0%)
- Yellow (43%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8058, 28.7265, 14.1629 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 15.8058, 28.7265, 14.1629 by changing the saturation by 10% instead.


 15.8058, 28.7265,
14.1629


 15.8058, 28.7265,
14.1629


221.4860,
295.9223, 229.7055


 9.4768, 18.8740,
8.0940


 35.8209, 57.6423,
34.0991


 5.1131, 11.5793,
4.0665


 50.2377, 77.4743,
48.8034


 2.3492, 6.4579,
1.6619


 68.0812, 101.4017,
67.2234

 0.8197, 3.1255,
0.3344

 89.7167, 129.8088,
89.7774

 0.0000, 1.1976,
0.0000

 115.5096,
163.0801, 116.8841

 0.0000, 0.0597,
0.0000

 145.8252,

 0.0000, 0.0000,

201.5998, 148.9620

0.0000

181.0289,
245.7524, 186.4296

■ 15.8058, 28.7265,
14.1629

■ 15.8058, 28.7265,
14.1629

■ 15.8062, 28.7275,
14.1626

■ 16.3840, 28.9850,
16.0166

■ 17.1897, 29.3557,
18.0718

■ 18.3028, 29.8805,
20.3383

■ 19.7593, 30.5778,
22.8228

■ 21.5898, 31.4634,
25.5318

■ 23.8216, 32.5512,
28.4713

■ 26.4791, 33.8536,
31.6470

■ 29.5848, 35.3823,
35.0645

■ 33.1595, 37.1477,
38.7291

Harmonies

Analogous

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



20.0480, 28.7265, 6.4491



15.8058, 28.7265, 14.1629



14.4737, 28.7265, 31.9602

Triad

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



15.8058, 28.7265, 14.1629



27.5408, 28.7265, 100.7214



43.0264, 28.7265, 13.4826

Complementary

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



15.8058, 28.7265, 14.1629



17.5608, 8.8900, 8.1894

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.



46.0901, 28.7265, 30.6061



15.8058, 28.7265, 14.1629



36.1275, 28.7265, 87.5362

Square

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



15.8058, 28.7265, 14.1629



20.3831, 28.7265, 88.8876



43.3473, 28.7265, 58.5037



35.6363, 28.7265, 6.2157

Rectangle

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



15.8058, 28.7265, 14.1629



15.1540, 28.7265, 50.0728



43.3473, 28.7265, 58.5037



44.6552, 28.7265, 17.8960

Sweetspot

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



15.8065, 28.7277, 14.1636



47.7593, 61.2882, 57.0942



17.4142, 29.7648, 4.8276



9.9688, 13.1420, 11.9284



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.



15.8065, 28.7277, 14.1636



28.5723, 52.0847, 25.1229



20.5600, 29.8108, 41.7176



7.5966, 8.4717, 8.8616



11.9619, 21.7035, 10.8322



0.3166, 0.5383, 0.3980

Inverse Universe

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



17.5608, 8.8900, 8.1894



31.7584, 16.0885, 14.2972



16.1796, 8.3861, 0.7662



7.6724, 7.5988, 8.5923



13.2860, 6.7231, 6.3178



0.3493, 0.1740, 0.2907

Previews

White Background



This preview shows how the XYZ color 15.8058, 28.7265, 14.1629 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 15.8058, 28.7265, 14.1629 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 15.8058, 28.7265, 14.1629

Background



This preview shows how black text looks on a background with the XYZ color 15.8058, 28.7265, 14.1629.



This preview shows how white text looks on a background with the XYZ color 15.8058, 28.7265,

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

15.8058, 28.7265, 14.1629

Protanopia

25.9087, 28.2158, 11.8652

Deuteranopia

28.7995, 28.3084, 15.0125



Tritanopia

21.8944, 28.8316, 43.4408

Trichromacy



Original Color

15.8058, 28.7265, 14.1629



Protanomaly

18.3583, 26.1893, 12.4750



Deuteranomaly

19.4377, 25.9825, 14.3466



Tritanomaly

18.6779, 28.2448, 30.0585

Monochromacy



Original Color

15.8058, 28.7265, 14.1629



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.8351, 18.1898, 15.4049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8058, 28.7265, 14.1629 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 89) }
```

Border

The CSS property to change the border of an element to XYZ 15.8058, 28.7265, 14.1629 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, 89) }
```


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

```
.border{ border-color:rgb(0, 168, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8058, 28.7265, 14.1629 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, 89) }
```

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

```
.background{ background-color: rgb(0, 168,  
89) }
```

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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