

Converting Colors

XYZ(8.4297, 24.6148, 13.8367)

Have a look what the booklet for
XYZ(8.4297, 24.6148, 13.8367)
contains.

XYZ(15.6219, 28.3587, 14.1016)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.6219, 28.3587,
14.1016)**

Conversions

Conversions Part 1

Format	Color
Hex	00A759
RGB	0, 167, 89
RGB Percent	0%, 65%, 35%
CMY	1.0000, 0.3451, 0.6510
CMYK	1.00, 0.00, 0.47, 0.35
HSL	152°, 100%, 33%
HSV	152°, 100%, 65%
XYZ	15.6219, 28.3587, 14.1016
YIQ	108.1750, -74.4940, -59.6620

Conversions

Conversions Part 2

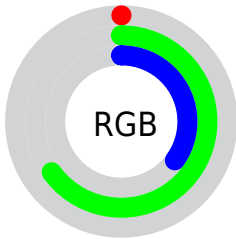
Format	Color
RYB	0, 109, 167
Decimal	42841
CIELab	60.21, -54.61, 30.21
CIELCh	60, 62.411, 151.050
Yxy	28.3587, 0.2690, 0.4883
Android (android.graphics.Color)	4278232921 (0xFF00A759)
YUV	108.1750, -9.4533, -94.8695
Hunter-Lab	53.2529, -40.8290, 21.5768

Details

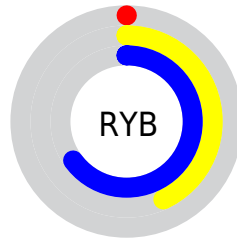
The XYZ color **15.6219, 28.3587, 14.1016** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.3126, 8.7662, 7.9892**, and the grayscale version is **14.3449, 15.0919, 16.4351**.

A 20% lighter version of the original color is **35.4357, 56.8929, 33.9247**, and **6.3054, 11.9703, 4.0760** is the 20% darker color. If you saturate the color by 10%, you get **15.6223, 28.3597, 14.1013**, and if you desaturate by 10%, it is **16.1937, 28.6144, 15.9307**.

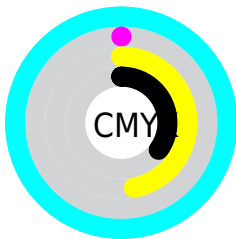
Distribution



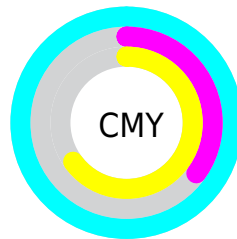
- Red (0%)
- Green (65%)
- Blue (35%)



- Red (0%)
- Yellow (43%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6219, 28.3587, 14.1016 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 15.6219, 28.3587, 14.1016 by changing the saturation by 10% instead.


 15.6219, 28.3587,
14.1016


 15.6219, 28.3587,
14.1016

220.4147,
294.1770, 229.3123


 9.3461, 18.5962,
8.0518


 35.5033, 57.0566,
33.9889


 5.0266, 11.3789,
4.0399


 49.8397, 76.7608,
48.6635


 2.2978, 6.3223,
1.6472


 67.5937, 100.5478,
67.0501

 0.7935, 3.0420,
0.3242

 89.1306, 128.8018,
89.5673

 0.0000, 1.1537,
0.0000

 114.8158,
161.9074, 116.6336

 0.0000, 0.0234,
0.0000

 145.0146,

 0.0000, 0.0000,

200.2488, 148.6675

0.0000

180.0925,
244.2106, 186.0875

■ 15.6219, 28.3587,
14.1016

■ 15.6219, 28.3587,
14.1016

■ 15.6223, 28.3597,
14.1013

■ 16.1937, 28.6144,
15.9307

■ 16.9891, 28.9804,
17.9562

■ 18.0872, 29.4983,
20.1878

■ 19.5236, 30.1861,
22.6318

■ 21.3283, 31.0594,
25.2946

■ 23.5282, 32.1319,
28.1820

■ 26.1474, 33.4158,
31.2996

■ 29.2079, 34.9225,
34.6527

■ 32.7303, 36.6625,
38.2465

Harmonies

Analogous

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



19.7812, 28.3587, 6.4415



15.6219, 28.3587, 14.1016



14.3267, 28.3587, 31.6909

Triad

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



15.6219, 28.3587, 14.1016



27.2365, 28.3587, 99.0672



42.3745, 28.3587, 13.2897

Complementary

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



15.6219, 28.3587, 14.1016



17.3126, 8.7662, 7.9892

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.



45.4171, 28.3587, 30.0787



15.6219, 28.3587, 14.1016



35.6799, 28.3587, 85.9914

Square

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



15.6219, 28.3587, 14.1016



20.1806, 28.3587, 87.5969



42.7561, 28.3587, 57.4471



35.0954, 28.3587, 6.1621

Rectangle

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



15.6219, 28.3587, 14.1016



15.0083, 28.3587, 49.5305



42.7561, 28.3587, 57.4471



43.9844, 28.3587, 17.6172

Sweetspot

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



15.6226, 28.3598, 14.1023



46.5491, 59.7071, 55.7363



17.1889, 29.3756, 4.7644



9.9742, 13.1441, 11.9570



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.



15.6226, 28.3598, 14.1023



27.8723, 50.7465, 24.6996



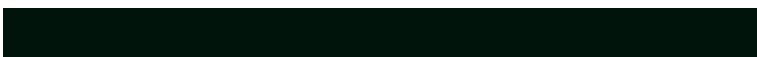
20.2902, 29.4198, 41.1698



7.5975, 8.4721, 8.8668



11.9789, 21.7103, 10.9215



0.3169, 0.5384, 0.3999

Inverse Universe

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



17.3126, 8.7662, 7.9892



30.9018, 15.6578, 13.7676



15.9673, 8.2764, 0.7562



7.6715, 7.5984, 8.5871



13.2714, 6.7173, 6.2407



0.3489, 0.1738, 0.2888

Previews

White Background



This preview shows how the XYZ color 15.6219, 28.3587, 14.1016 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 15.6219, 28.3587, 14.1016 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

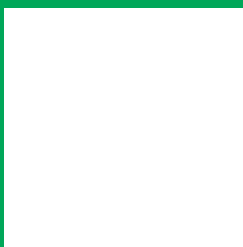
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6219, 28.3587, 14.1016

Background



This preview shows how black text looks on a background with the XYZ color 15.6219, 28.3587, 14.1016.



This preview shows how white text looks on a background with the XYZ color 15.6219, 28.3587,

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

15.6219, 28.3587, 14.1016

Protanopia

25.5590, 27.8097, 11.8053

Deuteranopia

28.4334, 27.9057, 14.9541



Tritanopia

21.6274, 28.4508, 42.8797

Trichromacy



Original Color

15.6219, 28.3587, 14.1016



Protanomaly

18.1953, 25.8633, 12.4206



Deuteranomaly

19.1536, 25.6002, 14.2878



Tritanomaly

18.4277, 27.8639, 29.6063

Monochromacy



Original Color

15.6219, 28.3587, 14.1016



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.6535, 17.9053, 15.1011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6219, 28.3587, 14.1016 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, 167, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 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, 167, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 89) }
```

Border

The CSS property to change the border of an element to XYZ 15.6219, 28.3587, 14.1016 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, 167, 89) }
```


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

```
.border{ border-color:rgb(0, 167, 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, 167, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 167, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6219, 28.3587, 14.1016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 89) }
```

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

```
.background{ background-color: rgb(0, 167,  
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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