

Converting Colors

XYZ(15.7495, 28.0451, 15.8977)

Have a look what the booklet for
XYZ(15.7495, 28.0451, 15.8977)
contains.

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Color

**XYZ(15.7939, 28.1355,
15.9075)**

Conversions

Conversions Part 1

Format	Color
Hex	00A661
RGB	0, 166, 97
RGB Percent	0%, 65%, 38%
CMY	1.0000, 0.3490, 0.6196
CMYK	1.00, 0.00, 0.42, 0.35
HSL	155°, 100%, 33%
HSV	155°, 100%, 65%
XYZ	15.7939, 28.1355, 15.9075
YIQ	108.5000, -76.7870, -56.6510

Conversions

Conversions Part 2

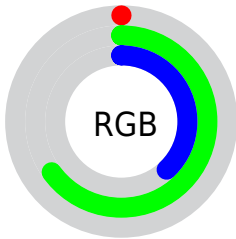
Format	Color
RYB	0, 105, 166
Decimal	42593
CIELab	60.01, -52.75, 25.72
CIELCh	60, 58.682, 154.008
Yxy	28.1355, 0.2639, 0.4702
Android (android.graphics.Color)	4278232673 (0xFF00A661)
YUV	108.5000, -5.6695, -95.1545
Hunter-Lab	53.0429, -39.6755, 19.3490

Details

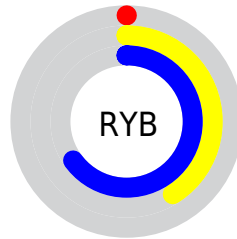
The XYZ color **15.7939, 28.1355, 15.9075** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.8012, 8.5374, 6.3946**, and the grayscale version is **14.4268, 15.1781, 16.5289**.

A 20% lighter version of the original color is **35.6830, 56.5543, 37.0524**, and **6.4595, 12.0320, 4.8877** is the 20% darker color. If you saturate the color by 10%, you get **15.7943, 28.1365, 15.9070**, and if you desaturate by 10%, it is **16.3547, 28.3866, 17.6879**.

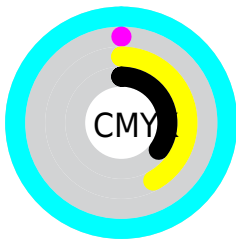
Distribution



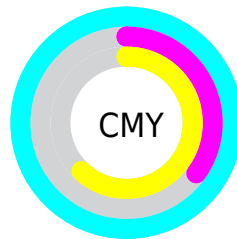
- Red (0%)
- Green (65%)
- Blue (38%)



- Red (0%)
- Yellow (41%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7939, 28.1355, 15.9075 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 15.7939, 28.1355, 15.9075 by changing the saturation by 10% instead.


 15.7939, 28.1355,
15.9075


 15.7939, 28.1355,
15.9075


221.4169,
293.1138, 240.6223


 9.4684, 18.4278,
9.3051


 35.8004, 56.7007,
37.2021


 5.1075, 11.2576,
4.8412


 50.2120, 76.3270,
52.7314


 2.3459, 6.2404,
2.0973


 68.0497, 100.0283,
72.0733

 0.8180, 2.9918,
0.6141

 89.6789, 128.1891,
95.6465

 0.0000, 1.1274,
0.0000

 115.4648,
161.1936, 123.8694

 0.0000, 0.0012,
0.0000

 145.7729,

 0.0000, 0.0000,

199.4263, 157.1607

0.0000

180.9684,
243.2716, 195.9388

■ 15.7939, 28.1355,
15.9075

■ 15.7939, 28.1355,
15.9075

■ 15.7943, 28.1365,
15.9070

■ 16.3547, 28.3866,
17.6879

■ 17.1291, 28.7437,
19.6274

■ 18.1953, 29.2478,
21.7337

■ 19.5878, 29.9166,
24.0118

■ 21.3362, 30.7654,
26.4663

■ 23.4664, 31.8075,
29.1015

■ 26.0020, 33.0549,
31.9216

■ 28.9646, 34.5186,
34.9306

■ 32.3741, 36.2089,
38.1323

Harmonies

Analogous

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



19.4834, 28.1355, 7.6169



15.7939, 28.1355, 15.9075



14.8164, 28.1355, 33.6021

Triad

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



15.7939, 28.1355, 15.9075



27.7589, 28.1355, 92.7535



40.5095, 28.1355, 12.9012

Complementary

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



15.7939, 28.1355, 15.9075



16.8012, 8.5374, 6.3946

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.



43.7896, 28.1355, 27.8475



15.7939, 28.1355, 15.9075



35.6107, 28.1355, 78.9776

Square

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



15.7939, 28.1355, 15.9075



20.9261, 28.1355, 84.5099



41.8487, 28.1355, 52.4402



33.5464, 28.1355, 6.5353

Rectangle

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



15.7939, 28.1355, 15.9075



15.6463, 28.1355, 50.6137



41.8487, 28.1355, 52.4402



42.1328, 28.1355, 16.7565

Sweetspot

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



15.7946, 28.1366, 15.9081



46.9096, 59.8513, 57.6348



16.1034, 28.5451, 4.6613



10.0632, 13.1797, 12.4255



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.



15.7946, 28.1366, 15.9081



28.5564, 51.0201, 28.3018



18.1392, 25.2651, 39.9984



7.6136, 8.4785, 8.9516



12.2709, 21.8271, 12.4593



0.3231, 0.5409, 0.4326

Inverse Universe

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



16.8012, 8.5374, 6.3946



30.3908, 15.4533, 11.0764



15.8815, 8.4172, 0.7880



7.6556, 7.5921, 8.5036



13.0500, 6.6287, 5.0747



0.3432, 0.1715, 0.2585

Previews

White Background



This preview shows how the XYZ color 15.7939, 28.1355, 15.9075 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 15.7939, 28.1355, 15.9075 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 15.7939, 28.1355, 15.9075

Background



This preview shows how black text looks on a background with the XYZ color 15.7939, 28.1355, 15.9075.



This preview shows how white text looks on a background with the XYZ color 15.7939, 28.1355,

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

15.7939, 28.1355, 15.9075

Protanopia

25.6393, 27.8192, 13.2508

Deuteranopia

28.1647, 27.7225, 16.9632



Tritanopia

21.2371, 28.0083, 42.3170

Trichromacy



Original Color

15.7939, 28.1355, 15.9075



Protanomaly

18.3721, 25.9211, 13.9325



Deuteranomaly

19.1232, 25.3075, 16.1889



Tritanomaly

18.3654, 27.5561, 30.3375

Monochromacy



Original Color

15.7939, 28.1355, 15.9075



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.9867, 18.2504, 16.2028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7939, 28.1355, 15.9075 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 97) }
```

Border

The CSS property to change the border of an element to XYZ 15.7939, 28.1355, 15.9075 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, 97) }
```


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

```
.border{ border-color:rgb(0, 166, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7939, 28.1355, 15.9075 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, 97) }
```

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

```
.background{ background-color: rgb(0, 166,  
97) }
```

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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