

Converting Colors

XYZ(15.4339, 27.1859, 16.4952)

Have a look what the booklet for
XYZ(15.4339, 27.1859, 16.4952)
contains.

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Color

**XYZ(15.3974, 27.1145,
16.4787)**

Conversions

Conversions Part 1

Format	Color
Hex	00A364
RGB	0, 163, 100
RGB Percent	0%, 64%, 39%
CMY	1.0000, 0.3608, 0.6078
CMYK	1.00, 0.00, 0.39, 0.36
HSL	157°, 100%, 32%
HSV	157°, 100%, 64%
XYZ	15.3974, 27.1145, 16.4787
YIQ	107.0810, -76.9250, -54.1490

Conversions

Conversions Part 2

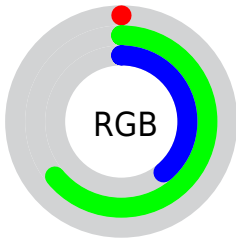
Format	Color
RYB	0, 101, 163
Decimal	41828
CIELab	59.08, -51.05, 22.87
CIElCh	59, 55.941, 155.873
Yxy	27.1145, 0.2610, 0.4596
Android (android.graphics.Color)	4278231908 (0xFF00A364)
YUV	107.0810, -3.4909, -93.9100
Hunter-Lab	52.0716, -38.3434, 17.6871

Details

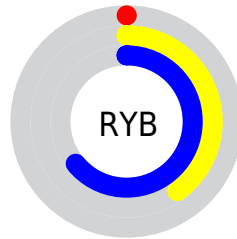
The XYZ color **15.3974, 27.1145, 16.4787** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.0022, 8.1459, 5.4323**, and the grayscale version is **14.0230, 14.7533, 16.0663**.

A 20% lighter version of the original color is **35.0373, 55.0212, 38.0517**, and **6.1958, 11.3998, 5.1226** is the 20% darker color. If you saturate the color by 10%, you get **15.3980, 27.1155, 16.4789**, and if you desaturate by 10%, it is **15.9339, 27.3552, 18.1585**.

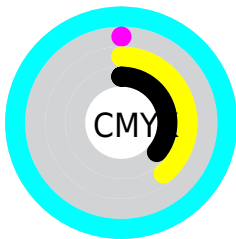
Distribution



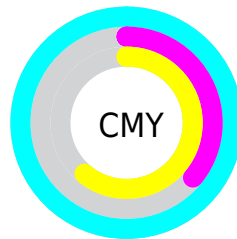
- Red (0%)
- Green (64%)
- Blue (39%)



- Red (0%)
- Yellow (40%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3974, 27.1145, 16.4787 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 15.3974, 27.1145, 16.4787 by changing the saturation by 10% instead.


 15.3974, 27.1145,
16.4787


 15.3974, 27.1145,
16.4787


219.1001,
288.2111, 244.0915


 9.1869, 17.6592,
9.7055


 35.1148, 55.0675,
38.2056


 4.9214, 10.7056,
5.1011


 49.3524, 74.3341,
53.9963


 2.2355, 5.8692,
2.2469

 66.9964, 97.6399,
73.6300

 0.7613, 2.7657,
0.7013

 88.4122, 125.3693,
97.5252

 0.0000, 1.0107,
0.0000

 113.9651,
157.9068, 126.1004

 0.0000, 0.0000,
0.0000

 144.0205,

195.6366, 159.7741

178.9437,
238.9432, 198.9650

■ 15.3974, 27.1145,
16.4787

■ 15.3974, 27.1145,
16.4787

■ 15.3980, 27.1155,
16.4789

■ 15.9339, 27.3552,
18.1585

■ 16.6706, 27.6956,
19.9728

■ 17.6837, 28.1756,
21.9285

■ 19.0059, 28.8121,
24.0296

■ 20.6655, 29.6195,
26.2799

■ 22.6870, 30.6106,
28.6829

■ 25.0929, 31.7967,
31.2420

■ 27.9037, 33.1885,
33.9603

■ 31.1384, 34.7956,
36.8411

Harmonies

Analogous

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



18.7064, 27.1145, 8.1011



15.3974, 27.1145, 16.4787



14.6320, 27.1145, 33.6155

Triad

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



15.3974, 27.1145, 16.4787



27.1634, 27.1145, 86.3105



38.1888, 27.1145, 12.2944

Complementary

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



15.3974, 27.1145, 16.4787



16.0022, 8.1459, 5.4323

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.



41.4831, 27.1145, 25.7771



15.3974, 27.1145, 16.4787



34.4232, 27.1145, 72.6668

Square

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



15.3974, 27.1145, 16.4787



20.6855, 27.1145, 80.0431



39.9941, 27.1145, 48.0948



31.6295, 27.1145, 6.5572

Rectangle

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



15.3974, 27.1145, 16.4787



15.5198, 27.1145, 49.5736



39.9941, 27.1145, 48.0948



39.7638, 27.1145, 15.7723

Sweetspot

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



15.3981, 27.1156, 16.4793



44.6781, 56.8150, 55.6862



15.2912, 27.3262, 4.4687



9.6306, 12.5610, 12.0875



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.3981, 27.1156, 16.4793



27.4749, 48.5197, 28.9816



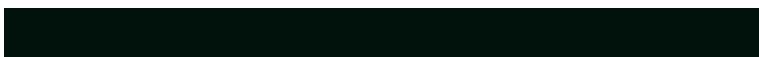
16.9988, 23.4197, 38.2762



7.1595, 7.9646, 8.4518



11.9893, 21.0821, 12.9261



0.2740, 0.4518, 0.3879

Inverse Universe

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



16.0022, 8.1459, 5.4323



28.5662, 14.5513, 9.2469



15.2947, 8.1665, 0.7703



7.1818, 7.1292, 7.9438



12.4570, 6.3389, 4.3314



0.2845, 0.1423, 0.2106

Previews

White Background



This preview shows how the XYZ color 15.3974, 27.1145, 16.4787 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 15.3974, 27.1145, 16.4787 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 15.3974, 27.1145, 16.4787

Background



This preview shows how black text looks on a background with the XYZ color 15.3974, 27.1145, 16.4787.



This preview shows how white text looks on a background with the XYZ color 15.3974, 27.1145,

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

15.3974, 27.1145, 16.4787

Protanopia

24.7396, 26.6751, 13.7424

Deuteranopia

27.1316, 26.7559, 17.3701



Tritanopia

20.5000, 27.1625, 40.7216

Trichromacy



Original Color

15.3974, 27.1145, 16.4787



Protanomaly

17.8048, 24.8997, 14.4574



Deuteranomaly

18.7214, 24.6214, 16.8624



Tritanomaly

17.9841, 26.8490, 30.2211

Monochromacy



Original Color

15.3974, 27.1145, 16.4787



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.4720, 17.4072, 15.7993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3974, 27.1145, 16.4787 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, 163, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 100)  
}
```

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, 163, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 100) }
```

Border

The CSS property to change the border of an element to XYZ 15.3974, 27.1145, 16.4787 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, 163, 100) }
```


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

```
.border{ border-color:rgb(0, 163, 100) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 163, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3974, 27.1145, 16.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 100) }
```

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

```
.background{ background-color: rgb(0, 163,  
100) }
```

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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