

Converting Colors

XYZ(16.0216, 27.4210, 19.5903)

Have a look what the booklet for
XYZ(16.0216, 27.4210, 19.5903)
contains.

XYZ(15.9664, 27.3421, 19.4750)	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(15.9664, 27.3421,
19.4750)**

Conversions

Conversions Part 1

Format	Color
Hex	00A36F
RGB	0, 163, 111
RGB Percent	0%, 64%, 44%
CMY	1.0000, 0.3608, 0.5647
CMYK	1.00, 0.00, 0.32, 0.36
HSL	161°, 100%, 32%
HSV	161°, 100%, 64%
XYZ	15.9664, 27.3421, 19.4750
YIQ	108.3350, -80.4560, -50.7280

Conversions

Conversions Part 2

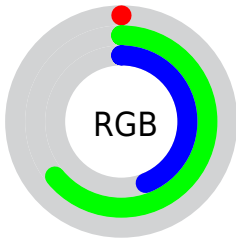
Format	Color
RYB	0, 97, 163
Decimal	41839
CIELab	59.29, -48.64, 17.12
CIELCh	59, 51.567, 160.605
Yxy	27.3421, 0.2543, 0.4355
Android (android.graphics.Color)	4278231919 (0xFF00A36F)
YUV	108.3350, 1.3138, -95.0098
Hunter-Lab	52.2897, -37.0028, 14.5205

Details

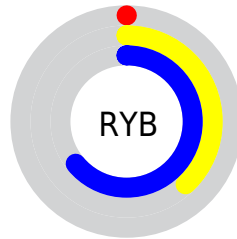
The XYZ color **15.9664, 27.3421, 19.4750** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.7249, 8.0350, 3.9719**, and the grayscale version is **14.3615, 15.1095, 16.4542**.

A 20% lighter version of the original color is **36.1588, 55.4810, 43.4535**, and **6.4731, 11.5107, 6.5833** is the 20% darker color. If you saturate the color by 10%, you get **15.9669, 27.3431, 19.4750**, and if you desaturate by 10%, it is **16.4808, 27.5739, 21.0384**.

Distribution



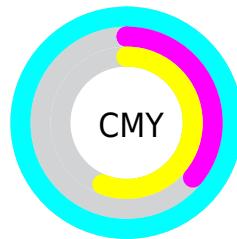
- Red (0%)
- Green (64%)
- Blue (44%)



- Red (0%)
- Yellow (38%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9664, 27.3421, 19.4750 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 15.9664, 27.3421, 19.4750 by changing the saturation by 10% instead.


 15.9664, 27.3421,
19.4750


 15.9664, 27.3421,
19.4750


222.4177,
289.3097, 261.5682


 9.5911, 17.8303,
11.8337


 36.0978, 55.4323,
43.3825


 5.1889, 10.8282,
6.5094


 50.5845, 74.7796,
60.4859


 2.3944, 5.9515,
3.0835

 68.5058, 98.1741,
81.5804

 0.8423, 2.8156,
1.1374

 90.2270, 126.0003,
107.0845

 0.0000, 1.0362,
0.0000

 116.1134,
158.6426, 137.4168

 0.0000, 0.0000,
0.0000

 146.5304,

196.4853, 172.9958

181.8434,
239.9129, 214.2401

■ 15.9664, 27.3421,
19.4750

■ 15.9664, 27.3421,
19.4750

■ 15.9669, 27.3431,
19.4750

■ 16.4808, 27.5739,
21.0384

■ 17.1883, 27.9027,
22.6986

■ 18.1648, 28.3680,
24.4614

■ 19.4429, 28.9869,
26.3295

■ 21.0504, 29.7735,
28.3056

■ 23.0119, 30.7405,
30.3921

■ 25.3495, 31.8994,
32.5914

■ 28.0836, 33.2605,
34.9057

■ 31.2330, 34.8335,
37.3371

Harmonies

Analogous

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



18.7300, 27.3421, 10.1417



15.9664, 27.3421, 19.4750



15.6139, 27.3421, 36.7896

Triad

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



15.9664, 27.3421, 19.4750



28.3352, 27.3421, 80.0333



36.5735, 27.3421, 12.1351

Complementary

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



15.9664, 27.3421, 19.4750



15.7249, 8.0350, 3.9719

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.



40.1654, 27.3421, 23.7069



15.9664, 27.3421, 19.4750



34.9134, 27.3421, 65.6478

Square

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



15.9664, 27.3421, 19.4750



22.0873, 27.3421, 77.3432



39.5122, 27.3421, 43.1752



30.3226, 27.3421, 7.2785

Rectangle

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



15.9664, 27.3421, 19.4750



16.7170, 27.3421, 51.7338



39.5122, 27.3421, 43.1752



38.1752, 27.3421, 15.1146

Sweetspot

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



15.9671, 27.3432, 19.4756



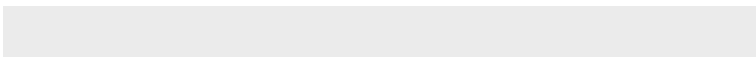
45.1442, 57.0014, 58.1403



14.6373, 26.9891, 4.4381



9.7466, 12.6074, 12.6985



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.



15.9671, 27.3432, 19.4756



28.4998, 48.9297, 34.3786



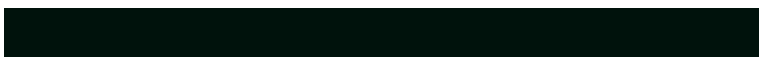
15.3924, 20.2069, 37.7407



7.1795, 7.9726, 8.5570



12.4301, 21.2584, 15.2472



0.2812, 0.4547, 0.4258

Inverse Universe

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



15.7249, 8.0350, 3.9719



28.0795, 14.3566, 6.6840



15.5008, 8.5787, 0.8391



7.1626, 7.1215, 7.8424



12.2393, 6.2518, 3.1850



0.2779, 0.1396, 0.1758

Previews

White Background



This preview shows how the XYZ color 15.9664, 27.3421, 19.4750 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 15.9664, 27.3421, 19.4750 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

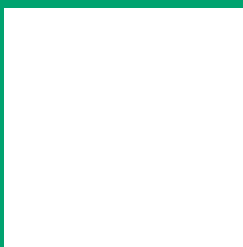
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9664, 27.3421, 19.4750

Background



This preview shows how black text looks on a background with the XYZ color 15.9664, 27.3421, 19.4750.



This preview shows how white text looks on a background with the XYZ color 15.9664, 27.3421,

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

15.9664, 27.3421, 19.4750

Protanopia

25.2081, 27.0776, 16.4683

Deuteranopia

27.3249, 26.7852, 20.5595



Tritanopia

20.5872, 27.4448, 41.2581

Trichromacy



Original Color

15.9664, 27.3421, 19.4750



Protanomaly

18.3859, 25.3740, 17.2932



Deuteranomaly

19.0823, 24.7386, 19.9889



Tritanomaly

18.3922, 27.2779, 31.8996

Monochromacy



Original Color

15.9664, 27.3421, 19.4750



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.9337, 17.8077, 17.2235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9664, 27.3421, 19.4750 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 111) }
```

Border

The CSS property to change the border of an element to XYZ 15.9664, 27.3421, 19.4750 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, 111) }
```


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

```
.border{ border-color:rgb(0, 163, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9664, 27.3421, 19.4750 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, 111) }
```

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

```
.background{ background-color: rgb(0, 163,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor