

Converting Colors

XYZ(5.3561, 23.0235, 18.2160)

Have a look what the booklet for
XYZ(5.3561, 23.0235, 18.2160)
contains.

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Color

**XYZ(16.5255, 28.7201,
18.8599)**

Conversions

Conversions Part 1

Format	Color
Hex	00A76C
RGB	0, 167, 108
RGB Percent	0%, 65%, 42%
CMY	0.9999, 0.3451, 0.5765
CMYK	1.00, 0.00, 0.35, 0.35
HSL	159°, 100%, 33%
HSV	159°, 100%, 65%
XYZ	16.5255, 28.7201, 18.8599
YIQ	110.3410, -80.5930, -53.7530

Conversions

Conversions Part 2

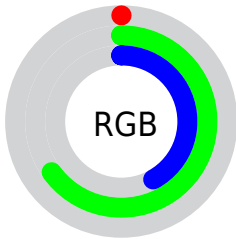
Format	Color
RYB	0, 101, 167
Decimal	42860
CIELab	60.53, -50.82, 20.47
CIELCh	61, 54.787, 158.063
Yxy	28.7201, 0.2578, 0.4480
Android (android.graphics.Color)	4278232940 (0xFF00A76C)
YUV	110.3410, -1.1541, -96.7691
Hunter-Lab	53.5911, -38.7418, 16.6483

Details

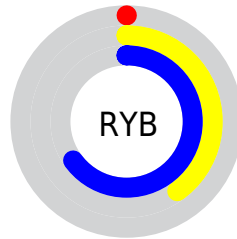
The XYZ color **16.5255, 28.7201, 18.8599** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.7269, 8.5320, 4.9051**, and the grayscale version is **14.9405, 15.7185, 17.1175**.

A 20% lighter version of the original color is **37.0472, 57.5376, 42.4110**, and **6.8329, 12.3609, 6.3007** is the 20% darker color. If you saturate the color by 10%, you get **16.5258, 28.7210, 18.8591**, and if you desaturate by 10%, it is **17.0770, 28.9676, 20.5817**.

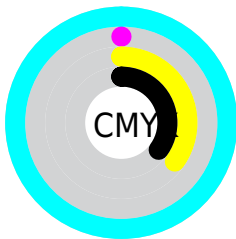
Distribution



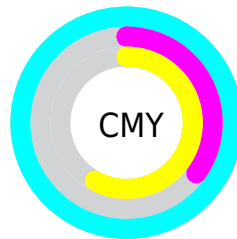
- Red (0%)
- Green (65%)
- Blue (42%)



- Red (0%)
- Yellow (40%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5255, 28.7201, 18.8599 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 16.5255, 28.7201, 18.8599 by changing the saturation by 10% instead.

■ 16.5255, 28.7201,
18.8599

■ 16.5255, 28.7201,
18.8599

■ 225.6329,
295.8920, 258.0711

■ 9.9900, 18.8692,
11.3933

■ 37.0582, 57.6321,
42.3308

■ 5.4545, 11.5758,
6.2145

■ 51.7862, 77.4619,
59.1721

■ 2.5538, 6.4555,
2.9051

■ 69.9756, 101.3869,
79.9755

■ 0.9225, 3.1240,
1.0464

■ 91.9919, 129.7913,
105.1594

■ 0.0000, 1.1968,
0.0000

■ 118.2004,
163.0597, 135.1423

■ 0.0000, 0.0591,
0.0000

■ 148.9665,

■ 0.0000, 0.0000,

201.5763, 170.3429

0.0000

184.6556,
245.7256, 211.1797

■ 16.5255, 28.7201,
18.8599

■ 16.5255, 28.7201,
18.8599

■ 16.5258, 28.7210,
18.8591

■ 17.0770, 28.9676,
20.5817

■ 17.8380, 29.3199,
22.4258

■ 18.8871, 29.8182,
24.3986

■ 20.2592, 30.4803,
26.5036

■ 21.9839, 31.3216,
28.7442

■ 24.0874, 32.3556,
31.1236

■ 26.5934, 33.5943,
33.6448

■ 29.5235, 35.0488,
36.3105

■ 32.8978, 36.7296,
39.1234

Harmonies

Analogous

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



19.7418, 28.7201, 9.5365



16.5255, 28.7201, 18.8599



15.9244, 28.7201, 37.0586

Triad

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



16.5255, 28.7201, 18.8599



29.2499, 28.7201, 87.8640



39.4671, 28.7201, 12.8797

Complementary

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



16.5255, 28.7201, 18.8599



16.7269, 8.5320, 4.9051

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.



43.0994, 28.7201, 26.1202



16.5255, 28.7201, 18.8599



36.5705, 28.7201, 73.0566

Square

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



16.5255, 28.7201, 18.8599



22.5252, 28.7201, 83.1034



41.9567, 28.7201, 48.1971



32.7005, 28.7201, 7.2693

Rectangle

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



16.5255, 28.7201, 18.8599



16.9689, 28.7201, 53.4073



41.9567, 28.7201, 48.1971



41.1440, 28.7201, 16.2934

Sweetspot

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



16.5263, 28.7212, 18.8606



47.3583, 60.0308, 59.9976



15.7588, 28.6383, 4.6976



10.1744, 13.2242, 13.0110



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.



16.5263, 28.7212, 18.8606



29.4944, 51.3953, 33.2413



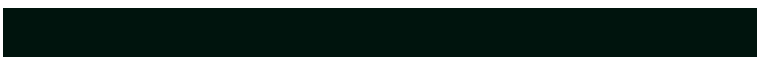
17.0608, 22.9609, 40.0932



7.6333, 8.4864, 9.0551



12.6692, 21.9864, 14.5565



0.3312, 0.5441, 0.4749

Inverse Universe

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



16.7269, 8.5320, 4.9051



29.8659, 15.2434, 8.3124



16.2293, 8.8004, 0.8437



7.6365, 7.5845, 8.4030



12.8203, 6.5368, 3.8652



0.3362, 0.1687, 0.2218

Previews

White Background



This preview shows how the XYZ color 16.5255, 28.7201, 18.8599 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 16.5255, 28.7201, 18.8599 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 16.5255, 28.7201, 18.8599

Background



This preview shows how black text looks on a background with the XYZ color 16.5255, 28.7201, 18.8599.



This preview shows how white text looks on a background with the XYZ color 16.5255, 28.7201,

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

16.5255, 28.7201, 18.8599

Protanopia

26.2822, 28.3197, 15.8854

Deuteranopia

28.6321, 28.1152, 19.8373



Tritanopia

21.6482, 28.7046, 43.4293

Trichromacy



Original Color

16.5255, 28.7201, 18.8599



Protanomaly

19.0450, 26.4511, 16.6722



Deuteranomaly

19.8564, 25.8529, 19.2728



Tritanomaly

19.1445, 28.4227, 32.9109

Monochromacy



Original Color

16.5255, 28.7201, 18.8599



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.4024, 18.6388, 17.3593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5255, 28.7201, 18.8599 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.5255, 28.7201, 18.8599 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, 108) }
```


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

```
.border{ border-color:rgb(0, 167, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5255, 28.7201, 18.8599 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, 108) }
```

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

```
.background{ background-color: rgb(0, 167,  
108) }
```

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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