

Converting Colors

XYZ(17.0614, 28.1789, 24.0165)

Have a look what the booklet for
XYZ(17.0614, 28.1789, 24.0165)
contains.

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Color

**XYZ(16.9771, 28.0316,
23.9179)**

Conversions

Conversions Part 1

Format	Color
Hex	00A47D
RGB	0, 164, 125
RGB Percent	0%, 64%, 49%
CMY	1.0000, 0.3569, 0.5098
CMYK	1.00, 0.00, 0.24, 0.36
HSL	166°, 100%, 32%
HSV	166°, 100%, 64%
XYZ	16.9771, 28.0316, 23.9179
YIQ	110.5180, -85.2250, -46.8970

Conversions

Conversions Part 2

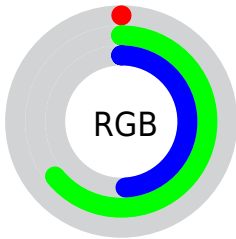
Format	Color
RYB	0, 93, 164
Decimal	42109
CIELab	59.92, -45.64, 10.22
CIELCh	60, 46.773, 167.383
Yxy	28.0316, 0.2463, 0.4067
Android (android.graphics.Color)	4278232189 (0xFF00A47D)
YUV	110.5180, 7.1396, -96.9243
Hunter-Lab	52.9449, -35.4164, 10.2771

Details

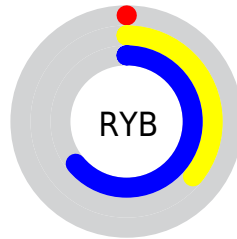
The XYZ color **16.9771, 28.0316, 23.9179** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.6770, 8.0396, 2.6461**, and the grayscale version is **14.9690, 15.7486, 17.1502**.

A 20% lighter version of the original color is **37.8455, 56.5744, 51.0448**, and **6.9889, 11.8907, 8.7643** is the 20% darker color. If you saturate the color by 10%, you get **16.9775, 28.0325, 23.9176**, and if you desaturate by 10%, it is **17.4527, 28.2481, 25.2673**.

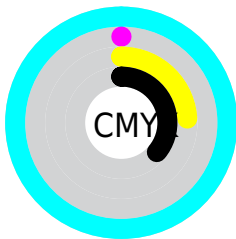
Distribution



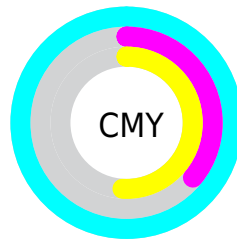
- Red (0%)
- Green (64%)
- Blue (49%)



- Red (0%)
- Yellow (36%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9771, 28.0316, 23.9179 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 16.9771, 28.0316, 23.9179 by changing the saturation by 10% instead.

■ 16.9771, 28.0316,
23.9179

■ 16.9771, 28.0316,
23.9179

228.1992,
292.6179, 285.6783

■ 10.3134, 18.3495,
15.0611

■ 37.8303, 56.5349,
50.8383

■ 5.6711, 11.2012,
8.7152

■ 52.7505, 76.1248,
69.7391

■ 2.6849, 6.2023,
4.4616

■ 71.1535, 99.7862,
92.8248

■ 0.9894, 2.9685,
1.8818

■ 93.4048, 127.9034,
120.5142

■ 0.0000, 1.1153,
0.4811

■ 119.8697,
160.8607, 153.2257

■ 0.0000, 0.0000,
0.0000

■ 150.9134,

199.0427, 191.3778

186.9015,
242.8336, 235.3892

■ 16.9771, 28.0316,
23.9179

■ 16.9771, 28.0316,
23.9179

■ 16.9775, 28.0325,
23.9176

■ 17.4527, 28.2481,
25.2673

■ 18.1171, 28.5601,
26.6765

■ 19.0469, 29.0078,
28.1504

■ 20.2749, 29.6080,
29.6911

■ 21.8294, 30.3754,
31.3003

■ 23.7350, 31.3226,
32.9798

■ 26.0141, 32.4611,
34.7311

■ 28.6873, 33.8015,
36.5558

■ 31.7734, 35.3536,
38.4552

Harmonies

Analogous

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



19.0891, 28.0316, 13.2953



16.9771, 28.0316, 23.9179



17.1598, 28.0316, 41.3776

Triad

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



16.9771, 28.0316, 23.9179



30.2042, 28.0316, 73.6059



35.1517, 28.0316, 12.2201

Complementary

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



16.9771, 28.0316, 23.9179



15.6770, 8.0396, 2.6461

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.



39.1011, 28.0316, 21.7529



16.9771, 28.0316, 23.9179



35.9660, 28.0316, 58.4686

Square

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



16.9771, 28.0316, 23.9179



24.2247, 28.0316, 74.8795



39.4195, 28.0316, 38.2411



29.2175, 28.0316, 8.4320

Rectangle

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



16.9771, 28.0316, 23.9179



18.5571, 28.0316, 55.0086



39.4195, 28.0316, 38.2411



36.7914, 28.0316, 14.6545

Sweetspot

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



16.9779, 28.0327, 23.9186



46.9631, 58.7925, 62.8554



14.1908, 27.0235, 4.4685



9.8915, 12.6654, 13.4614



78.6606, 82.7571, 90.1225



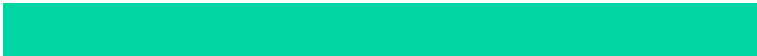
14.0027, 14.7319, 16.0430

Same Dimension

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



16.9779, 28.0327, 23.9186



30.7312, 50.8480, 42.9665



13.7848, 16.8477, 37.6487



7.2037, 7.9823, 8.6847



13.0362, 21.5008, 18.4391



0.2905, 0.4584, 0.4747

Inverse Universe

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



15.6770, 8.0396, 2.6461



28.3862, 14.5648, 4.4404



16.1037, 9.4794, 0.9813



7.1396, 7.1123, 7.7216



12.0358, 6.1704, 2.1133



0.2699, 0.1365, 0.1340

Previews

White Background



This preview shows how the XYZ color 16.9771, 28.0316, 23.9179 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 16.9771, 28.0316, 23.9179 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 16.9771, 28.0316, 23.9179

Background



This preview shows how black text looks on a background with the XYZ color 16.9771, 28.0316, 23.9179.



This preview shows how white text looks on a background with the XYZ color 16.9771, 28.0316,

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

16.9771, 28.0316, 23.9179

Protanopia

25.8659, 27.5581, 20.1756

Deuteranopia

28.0855, 27.4970, 25.2999



Tritanopia

20.9937, 28.1241, 42.8501

Trichromacy



Original Color

16.9771, 28.0316, 23.9179



Protanomaly

19.3261, 26.0065, 21.4539



Deuteranomaly

19.9897, 25.3360, 24.6056



Tritanomaly

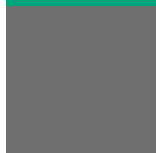
19.0307, 27.7980, 34.9344

Monochromacy



Original Color

16.9771, 28.0316, 23.9179



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.7336, 18.5658, 19.3827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9771, 28.0316, 23.9179 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, 164, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 125)  
}
```

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, 164, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 125) }
```

Border

The CSS property to change the border of an element to XYZ 16.9771, 28.0316, 23.9179 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, 164, 125) }
```


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

```
.border{ border-color:rgb(0, 164, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9771, 28.0316, 23.9179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 125) }
```

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

```
.background{ background-color: rgb(0, 164,  
125) }
```

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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