

Converting Colors

XYZ(11.7589, 25.6960, 21.7194)

Have a look what the booklet for
XYZ(11.7589, 25.6960, 21.7194)
contains.

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Color

**XYZ(16.7849, 28.2422,
22.0194)**

Conversions

Conversions Part 1

Format	Color
Hex	00A577
RGB	0, 165, 119
RGB Percent	0%, 65%, 47%
CMY	1.0000, 0.3529, 0.5333
CMYK	1.00, 0.00, 0.28, 0.35
HSL	163°, 100%, 32%
HSV	163°, 100%, 65%
XYZ	16.7849, 28.2422, 22.0194
YIQ	110.4210, -83.5740, -49.2860

Conversions

Conversions Part 2

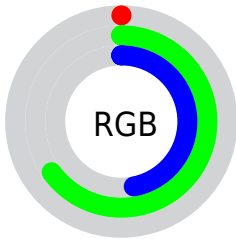
Format	Color
RYB	0, 96, 165
Decimal	42359
CIELab	60.11, -47.53, 13.83
CIELCh	60, 49.497, 163.781
Yxy	28.2422, 0.2503, 0.4212
Android (android.graphics.Color)	4278232439 (0xFF00A577)
YUV	110.4210, 4.2294, -96.8392
Hunter-Lab	53.1434, -36.6232, 12.6342

Details

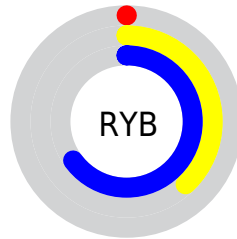
The XYZ color **16.7849, 28.2422, 22.0194** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.0112, 8.1973, 3.3245**, and the grayscale version is **14.9489, 15.7274, 17.1271**.

A 20% lighter version of the original color is **37.4236, 56.8268, 47.5243**, and **6.8997, 12.0305, 7.7528** is the 20% darker color. If you saturate the color by 10%, you get **16.7853, 28.2432, 22.0190**, and if you desaturate by 10%, it is **17.2911, 28.4712, 23.5212**.

Distribution



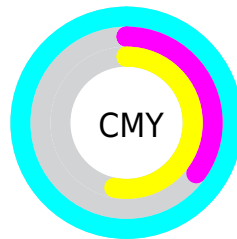
- Red (0%)
- Green (65%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7849, 28.2422, 22.0194 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 16.7849, 28.2422, 22.0194 by changing the saturation by 10% instead.

■ 16.7849, 28.2422,
22.0194

■ 16.7849, 28.2422,
22.0194

227.1102,
293.6224, 275.6044

■ 10.1756, 18.5083,
13.6727

■ 37.5021, 56.8709,
47.6807

■ 5.5787, 11.3155,
7.7572

■ 52.3408, 76.5345,
65.8323

■ 2.6288, 6.2795,
3.8545

■ 70.6532, 100.2768,
88.0893

■ 0.9607, 3.0158,
1.5458

■ 92.8048, 128.4822,
114.8703

■ 0.0000, 1.1400,
0.2517

■ 119.1610,
161.5350, 146.5938

■ 0.0000, 0.0118,
0.0000

■ 150.0871,

■ 0.0000, 0.0000,

199.8198, 183.6782

0.0000

185.9483,
243.7208, 226.5423

■ 16.7849, 28.2422,
22.0194

■ 16.7849, 28.2422,
22.0194

■ 16.7853, 28.2432,
22.0190

■ 17.2911, 28.4712,
23.5212

■ 17.9929, 28.7987,
25.1024

■ 18.9672, 29.2651,
26.7680

■ 20.2477, 29.8877,
28.5207

■ 21.8629, 30.6813,
30.3625

■ 23.8382, 31.6589,
32.2956

■ 26.1962, 32.8321,
34.3220

■ 28.9579, 34.2117,
36.4434

■ 32.1424, 35.8076,
38.6616

Harmonies

Analogous

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



19.2834, 28.2422, 11.8478



16.7849, 28.2422, 22.0194



16.6872, 28.2422, 39.8076

Triad

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



16.7849, 28.2422, 22.0194



29.8431, 28.2422, 78.4417



36.6065, 28.2422, 12.4109

Complementary

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



16.7849, 28.2422, 22.0194



16.0112, 8.1973, 3.3245

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.



40.4581, 28.2422, 23.1840



16.7849, 28.2422, 22.0194



36.1587, 28.2422, 63.3390

Square

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



16.7849, 28.2422, 22.0194



23.5906, 28.2422, 77.7285



40.2825, 28.2422, 41.5306



30.3822, 28.2422, 7.9784

Rectangle

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



16.7849, 28.2422, 22.0194



17.9577, 28.2422, 54.4417



40.2825, 28.2422, 41.5306



38.2622, 28.2422, 15.1766

Sweetspot

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



16.7857, 28.2433, 22.0201



46.6600, 58.6712, 61.2594



14.6169, 27.5099, 4.5399



9.8176, 12.6358, 13.0726



78.6606, 82.7571, 90.1225



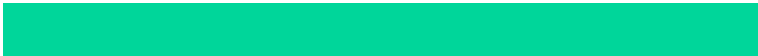
14.0027, 14.7319, 16.0430

Same Dimension

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



16.7857, 28.2433, 22.0201



29.9699, 50.5435, 38.9576



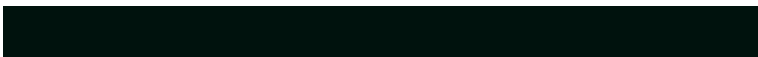
14.6758, 18.4845, 38.3930



7.1915, 7.9774, 8.6201



12.7198, 21.3743, 16.7727



0.2857, 0.4565, 0.4496

Inverse Universe

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



16.0112, 8.1973, 3.3245



28.5982, 14.6496, 5.5568



16.1413, 9.2469, 0.9344



7.1512, 7.1169, 7.7825



12.1308, 6.2084, 2.6136



0.2739, 0.1381, 0.1551

Previews

White Background



This preview shows how the XYZ color 16.7849, 28.2422, 22.0194 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 16.7849, 28.2422, 22.0194 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 16.7849, 28.2422, 22.0194

Background



This preview shows how black text looks on a background with the XYZ color 16.7849, 28.2422, 22.0194.



This preview shows how white text looks on a background with the XYZ color 16.7849, 28.2422,

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

16.7849, 28.2422, 22.0194

Protanopia

26.0600, 27.9207, 18.4837

Deuteranopia

28.4513, 27.9452, 23.2965



Tritanopia

21.0989, 28.1783, 42.8550

Trichromacy



Original Color

16.7849, 28.2422, 22.0194



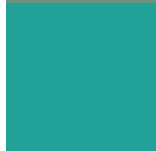
Protanomaly

19.2459, 26.2454, 19.6743



Deuteranomaly

19.9908, 25.6131, 22.6291



Tritanomaly

19.0721, 28.0968, 34.1238

Monochromacy



Original Color

16.7849, 28.2422, 22.0194



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.4891, 18.4596, 18.4749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7849, 28.2422, 22.0194 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, 165, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 119)  
}
```

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, 165, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 119) }
```

Border

The CSS property to change the border of an element to XYZ 16.7849, 28.2422, 22.0194 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, 165, 119) }
```


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

```
.border{ border-color:rgb(0, 165, 119) }
```

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

Here you see how a box with a 4 pixel rgb(0, 165, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7849, 28.2422, 22.0194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 119) }
```

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

```
.background{ background-color: rgb(0, 165,  
119) }
```

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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