

Converting Colors

XYZ(16.6702, 27.6804, 23.0054)

Have a look what the booklet for
XYZ(16.6702, 27.6804, 23.0054)
contains.

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Color

**XYZ(16.6100, 27.5995,
22.8642)**

Conversions

Conversions Part 1

Format	Color
Hex	00A37A
RGB	0, 163, 122
RGB Percent	0%, 64%, 48%
CMY	1.0000, 0.3608, 0.5216
CMYK	1.00, 0.00, 0.25, 0.36
HSL	165°, 100%, 32%
HSV	165°, 100%, 64%
XYZ	16.6100, 27.5995, 22.8642
YIQ	109.5890, -83.9870, -47.3070

Conversions

Conversions Part 2

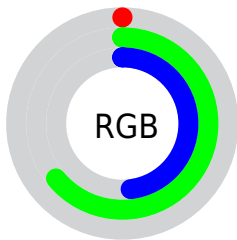
Format	Color
RYB	0, 93, 163
Decimal	41850
CIELab	59.53, -46.00, 11.34
CIELCh	60, 47.375, 166.151
Yxy	27.5995, 0.2476, 0.4115
Android (android.graphics.Color)	4278231930 (0xFF00A37A)
YUV	109.5890, 6.1186, -96.1096
Hunter-Lab	52.5352, -35.5005, 10.9707

Details

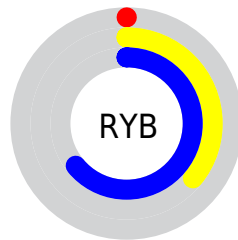
The XYZ color **16.6100, 27.5995, 22.8642** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.5054, 7.9472, 2.8156**, and the grayscale version is **14.7049, 15.4707, 16.8476**.

A 20% lighter version of the original color is **37.1879, 55.8927, 48.8728**, and **6.7785, 11.6329, 8.1914** is the 20% darker color. If you saturate the color by 10%, you get **16.6104, 27.6004, 22.8640**, and if you desaturate by 10%, it is **17.0892, 27.8172, 24.2418**.

Distribution



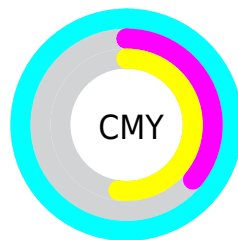
- Red (0%)
- Green (64%)
- Blue (48%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6100, 27.5995, 22.8642 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 16.6100, 27.5995, 22.8642 by changing the saturation by 10% instead.


 16.6100, 27.5995,
22.8642


 16.6100, 27.5995,
22.8642


226.1151,
290.5482, 280.1260


 10.0504, 18.0240,
14.2889


 37.2030, 55.8444,
49.0906


 5.4949, 10.9672,
8.1808


 51.9670, 75.2825,
67.5788


 2.5782, 6.0448,
4.1215

 70.1966, 98.7770,
90.2084

 0.9348, 2.8723,
1.6922

 92.2571, 126.7122,
117.3979

 0.0000, 1.0654,
0.3554

 118.5139,
159.4726, 149.5659

 0.0000, 0.0000,
0.0000

 149.3322,

197.4424, 187.1309

185.0775,
241.0061, 230.5114

■ 16.6100, 27.5995,
22.8642

■ 16.6100, 27.5995,
22.8642

■ 16.6104, 27.6004,
22.8640

■ 17.0892, 27.8172,
24.2418

■ 17.7554, 28.1294,
25.6841

■ 18.6842, 28.5758,
27.1960

■ 19.9084, 29.1731,
28.7797

■ 21.4554, 29.9355,
30.4371

■ 23.3499, 30.8757,
32.1700

■ 25.6137, 32.0051,
33.9800

■ 28.2670, 33.3339,
35.8686

■ 31.3287, 34.8718,
37.8374

Harmonies

Analogous

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



18.8097, 27.5995, 12.5749



16.6100, 27.5995, 22.8642



16.6980, 27.5995, 40.1297

Triad

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



16.6100, 27.5995, 22.8642



29.5490, 27.5995, 73.8479



34.9931, 27.5995, 12.0606

Complementary

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



16.6100, 27.5995, 22.8642



15.5054, 7.9472, 2.8156

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.



38.8424, 27.5995, 21.8194



16.6100, 27.5995, 22.8642



35.3889, 27.5995, 58.9809

Square

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



16.6100, 27.5995, 22.8642



23.5856, 27.5995, 74.4709



38.9973, 27.5995, 38.6055



29.0704, 27.5995, 8.1300

Rectangle

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



16.6100, 27.5995, 22.8642



18.0291, 27.5995, 53.8500



38.9973, 27.5995, 38.6055



36.6092, 27.5995, 14.5578

Sweetspot

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



16.6107, 27.6006, 22.8648



45.6240, 57.1934, 60.6672



14.1140, 26.7193, 4.4138



9.8666, 12.6554, 13.3303



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.



16.6107, 27.6006, 22.8648



29.6629, 49.3949, 40.5034



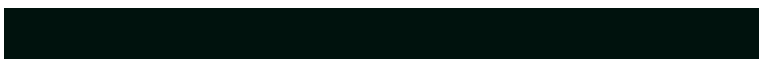
13.9412, 17.3044, 37.2569



7.1996, 7.9807, 8.6630



12.9278, 21.4575, 17.8682



0.2889, 0.4578, 0.4662

Inverse Universe

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



15.5054, 7.9472, 2.8156



27.6987, 14.2044, 4.6791



15.7993, 9.1758, 0.9387



7.1435, 7.1138, 7.7420



12.0659, 6.1824, 2.2719



0.2713, 0.1370, 0.1411

Previews

White Background



This preview shows how the XYZ color 16.6100, 27.5995, 22.8642 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 16.6100, 27.5995, 22.8642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

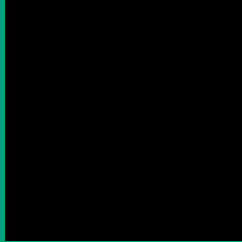
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6100, 27.5995, 22.8642

Background



This preview shows how black text looks on a background with the XYZ color 16.6100, 27.5995, 22.8642.



This preview shows how white text looks on a background with the XYZ color 16.6100, 27.5995,

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

16.6100, 27.5995, 22.8642

Protanopia

25.5465, 27.1913, 19.2312

Deuteranopia

27.7422, 27.1312, 24.1967



Tritanopia

20.6346, 27.7086, 41.7969

Trichromacy



Original Color

16.6100, 27.5995, 22.8642



Protanomaly

18.9885, 25.6150, 20.4664



Deuteranomaly

19.6383, 24.9477, 23.5190



Tritanomaly

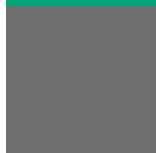
18.6928, 27.3866, 34.0067

Monochromacy



Original Color

16.6100, 27.5995, 22.8642



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.4133, 18.2175, 18.7290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6100, 27.5995, 22.8642 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.6100, 27.5995, 22.8642 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, 122) }
```


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

```
.border{ border-color:rgb(0, 163, 122) }
```

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, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6100, 27.5995, 22.8642 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, 122) }
```

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

```
.background{ background-color: rgb(0, 163,  
122) }
```

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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