

Converting Colors

XYZ(5.9270, 12.0449, 16.0803)

Have a look what the booklet for
XYZ(5.9270, 12.0449, 16.0803)
contains.

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Color

**XYZ(8.9522, 13.5735,
16.3355)**

Conversions

Conversions Part 1

Format	Color
Hex	00746C
RGB	0, 116, 108
RGB Percent	0%, 45%, 42%
CMY	0.9999, 0.5451, 0.5765
CMYK	1.00, 0.00, 0.07, 0.55
HSL	176°, 100%, 23%
HSV	176°, 100%, 45%
XYZ	8.9522, 13.5735, 16.3355
YIQ	80.4040, -66.5680, -27.0800

Conversions

Conversions Part 2

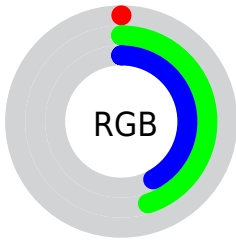
Format	Color
RYB	0, 60, 116
Decimal	29804
CIELab	43.61, -29.47, -3.49
CIELCh	44, 29.674, 186.750
Yxy	13.5735, 0.2304, 0.3493
Android (android.graphics.Color)	4278219884 (0xFF00746C)
YUV	80.4040, 13.6048, -70.5143
Hunter-Lab	36.8422, -21.1006, -0.4991

Details

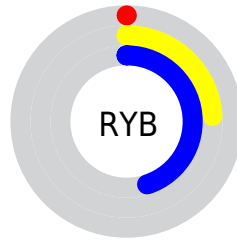
The XYZ color **8.9522, 13.5735, 16.3355** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.2468, 3.7310, 0.5684**, and the grayscale version is **7.6884, 8.0888, 8.8087**.

A 20% lighter version of the original color is **23.5065, 32.4569, 37.8268**, and **2.8495, 4.3512, 5.1046** is the 20% darker color. If you saturate the color by 10%, you get **8.9524, 13.5739, 16.3355**, and if you desaturate by 10%, it is **9.1415, 13.6664, 16.5680**.

Distribution



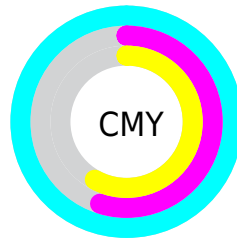
- Red (0%)
- Green (45%)
- Blue (42%)



- Red (0%)
- Yellow (24%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.9522, 13.5735, 16.3355 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 8.9522, 13.5735, 16.3355 by changing the saturation by 10% instead.

8.9522, 13.5735,
16.3355

8.9522, 13.5735,
16.3355

177.2355,
214.5612, 243.2263

4.7669, 7.8246,
9.6050

23.4731, 32.3303,
37.9545

2.1445, 3.9829,
5.0357

34.5393, 46.1071,
53.6801

0.7132, 1.6640,
2.2091

48.6299, 63.3286,
73.2411

0.0000, 0.4002,
0.6796

66.1102, 84.3792,
97.0561

0.0000, 0.0000,
0.0000

87.3455, 109.6434,
125.5435

112.7013,

139.5055, 159.1220

142.5428,
174.3500, 198.2101

8.9522, 13.5735,
16.3355

8.9522, 13.5735,
16.3355

8.9524, 13.5739,
16.3355

9.1415, 13.6664,
16.5680

9.3967, 13.7930,
16.8054

9.7689, 13.9798,
17.0502

10.2715, 14.2339,
17.3033

10.9161, 14.5611,
17.5650

■ 11.7132, 14.9668,
17.8359

■ 12.6721, 15.4559,
18.1165

■ 13.8014, 16.0328,
18.4072

■ 15.1091, 16.7017,
18.7082

Harmonies

Analogous

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



9.2149, 13.5735, 10.2804



8.9522, 13.5735, 16.3355



9.6411, 13.5735, 23.8373

Triad

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



8.9522, 13.5735, 16.3355



15.7645, 13.5735, 27.5911



14.7471, 13.5735, 5.8621

Complementary

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



8.9522, 13.5735, 16.3355



7.2468, 3.7310, 0.5684

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.



16.8240, 13.5735, 8.3672



8.9522, 13.5735, 16.3355



17.4589, 13.5735, 20.4297

Square

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



8.9522, 13.5735, 16.3355



13.4337, 13.5735, 31.4837



17.8682, 13.5735, 13.3251



12.3829, 13.5735, 5.3637

Rectangle

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



8.9522, 13.5735, 16.3355



10.6025, 13.5735, 28.2767



17.8682, 13.5735, 13.3251



15.5102, 13.5735, 6.4509

Sweetspot

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



8.9526, 13.5740, 16.3358



22.1340, 27.0961, 31.8059



6.3668, 12.5537, 2.0879



5.1401, 6.3926, 7.5481



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.9526, 13.5740, 16.3358



15.7172, 23.8522, 28.6143



5.2001, 5.3560, 17.2833



3.7729, 4.1511, 4.6382



10.0436, 15.2314, 18.3173



48.8143, 74.1730, 88.5819

Inverse Universe

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



7.2468, 3.7310, 0.5684



12.7175, 6.5496, 0.8920



8.2738, 5.8552, 0.6945



3.6933, 3.7046, 3.9115



8.1291, 4.1853, 0.6219



39.4916, 20.3467, 2.3860

Previews

White Background



This preview shows how the XYZ color 8.9522, 13.5735, 16.3355 looks on a white 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

Black Background



This preview shows how the XYZ color 8.9522, 13.5735, 16.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

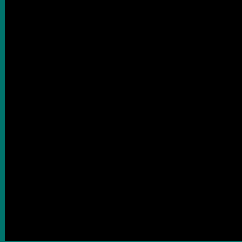
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.9522, 13.5735, 16.3355

Background



This preview shows how black text looks on a background with the XYZ color 8.9522, 13.5735, 16.3355.



This preview shows how white text looks on a background with the XYZ color 8.9522, 13.5735,

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

8.9522, 13.5735, 16.3355

Protanopia

12.8773, 13.4261, 13.9694

Deuteranopia

13.7885, 13.5354, 17.2151



Tritanopia

10.0445, 13.6977, 20.8534

Trichromacy



Original Color

8.9522, 13.5735, 16.3355

Protanomaly

10.0206, 12.6880, 14.7528

Deuteranomaly

10.4775, 12.7210, 16.9421

Tritanomaly

9.6319, 13.6886, 19.2741

Monochromacy



Original Color

8.9522, 13.5735, 16.3355

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

7.1251, 9.2707, 11.0868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9522, 13.5735, 16.3355 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, 116, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 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, 116, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 108) }
```

Border

The CSS property to change the border of an element to XYZ 8.9522, 13.5735, 16.3355 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, 116, 108) }
```


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

```
.border{ border-color:rgb(0, 116, 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, 116, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 8.9522, 13.5735, 16.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 108) }
```

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

```
.background{ background-color: rgb(0, 116,  
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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