

Converting Colors

XYZ(9.2193, 13.8927, 16.3685)

Have a look what the booklet for
XYZ(9.2193, 13.8927, 16.3685)
contains.

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Color

**XYZ(9.2197, 13.8835,
16.3812)**

Conversions

Conversions Part 1

Format	Color
Hex	0C756C
RGB	12, 117, 108
RGB Percent	5%, 46%, 42%
CMY	0.9529, 0.5412, 0.5765
CMYK	0.90, 0.00, 0.08, 0.54
HSL	175°, 81%, 25%
HSV	175°, 90%, 46%
XYZ	9.2197, 13.8835, 16.3812
YIQ	84.5790, -59.6910, -25.0590

Conversions

Conversions Part 2

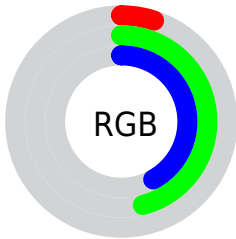
Format	Color
R_{YB}	12, 67, 117
Decimal	816492
CIE _{Lab}	44.07, -29.17, -2.81
CIE _{LCh}	44, 29.301, 185.504
Yxy	13.8835, 0.2335, 0.3516
Android (android.graphics.Color)	4279006572 (0xFF0C756C)
YUV	84.5790, 11.5466, -63.6518
Hunter-Lab	37.2606, -21.0382, 0.0162

Details

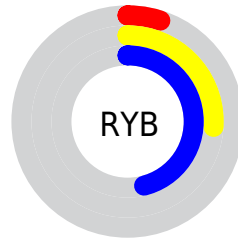
The XYZ color **9.2197, 13.8835, 16.3812** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.6034, 4.0994, 1.1005**, and the grayscale version is **8.5332, 8.9776, 9.7766**.

A 20% lighter version of the original color is **24.0261, 33.0020, 37.9046**, and **2.9094, 4.4712, 5.1246** is the 20% darker color. If you saturate the color by 10%, you get **9.0191, 13.7866, 16.0950**, and if you desaturate by 10%, it is **9.4919, 14.0179, 16.6746**.

Distribution



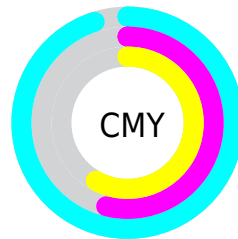
- Red (5%)
- Green (46%)
- Blue (42%)



- Red (5%)
- Yellow (26%)
- Blue (46%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (54%)



- Cyan (95%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.2197, 13.8835, 16.3812 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 9.2197, 13.8835, 16.3812 by changing the saturation by 10% instead.

■ 9.2197, 13.8835,
16.3812

■ 9.2197, 13.8835,
16.3812

179.1811,
216.5049, 243.5027

■ 4.9430, 8.0397,
9.6370

■ 23.9803, 32.8822,
38.0347

■ 2.2483, 4.1204,
5.0565

■ 35.1950, 46.8058,
53.7811

■ 0.7680, 1.7411,
2.2211

■ 49.4530, 64.1915,
73.3653

■ 0.0000, 0.4501,
0.6865

■ 67.1197, 85.4237,
97.2059

■ 0.0000, 0.0000,
0.0000

■ 88.5606, 110.8867,
125.7214

■ 114.1408,

140.9650, 159.3304

144.2259,
176.0429, 198.4513

■ 9.2197, 13.8835,
16.3812

■ 9.2197, 13.8835,
16.3812

■ 9.0191, 13.7866,
16.0950

■ 9.4919, 14.0179,
16.6746

■ 9.0139, 13.7840,
16.0875

■ 9.8835, 14.2135,
16.9764

■ 10.4087, 14.4779,
17.2878

■ 11.0793, 14.8172,
17.6092

■ 11.9059, 15.2369,
17.9411

■ 12.8979, 15.7417,
18.2840

■ 14.0643, 16.3364,
18.6384

■ 15.4132, 17.0250,
19.0046

■ 16.9521, 17.8116,
19.3830

Harmonies

Analogous

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



9.5243, 13.8835, 10.3962



9.2197, 13.8835, 16.3812



9.8742, 13.8835, 23.8603

Triad

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



9.2197, 13.8835, 16.3812



15.9726, 13.8835, 28.1532



15.1421, 13.8835, 6.1887

Complementary

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



9.2197, 13.8835, 16.3812



7.6034, 4.0994, 1.1005

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.



17.1895, 13.8835, 8.8223



9.2197, 13.8835, 16.3812



17.7072, 13.8835, 21.0856

Square

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



9.2197, 13.8835, 16.3812



13.6303, 13.8835, 31.8238



18.1768, 13.8835, 13.9191



12.7708, 13.8835, 5.6040

Rectangle

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



9.2197, 13.8835, 16.3812



10.8176, 13.8835, 28.3496



18.1768, 13.8835, 13.9191



15.8994, 13.8835, 6.8159

Sweetspot

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



9.2201, 13.8840, 16.3815



23.4954, 28.3915, 32.8678



6.7702, 12.9260, 2.4863



5.2858, 6.4685, 7.5196



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.



9.2201, 13.8840, 16.3815



16.1162, 24.6725, 28.6786



5.8792, 6.3955, 17.7549



3.7704, 4.1501, 4.6250



9.9282, 15.1853, 17.7097



48.2243, 73.9370, 85.4750

Inverse Universe

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



7.6034, 4.0994, 1.1005



13.2103, 6.8017, 1.0013



8.7223, 6.4476, 1.1329



3.6955, 3.7055, 3.9234



8.1403, 4.1898, 0.6811



39.5278, 20.3613, 2.5770

Previews

White Background



This preview shows how the XYZ color 9.2197, 13.8835, 16.3812 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 9.2197, 13.8835, 16.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

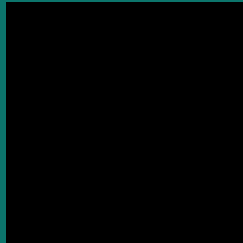
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.2197, 13.8835, 16.3812

Background



This preview shows how black text looks on a background with the XYZ color 9.2197, 13.8835, 16.3812.



This preview shows how white text looks on a background with the XYZ color 9.2197, 13.8835,

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

9.2197, 13.8835, 16.3812

Protanopia

13.0944, 13.6848, 14.0079

Deuteranopia

14.0087, 13.7922, 17.2531



Tritanopia

10.3042, 13.9927, 21.2266

Trichromacy



Original Color

9.2197, 13.8835, 16.3812

Protanomaly

10.4832, 13.0821, 14.8045

Deuteranomaly

10.9510, 13.1189, 16.9940

Tritanomaly

9.8688, 13.9809, 19.3180

Monochromacy



Original Color

9.2197, 13.8835, 16.3812

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.9954, 10.2392, 11.9109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.2197, 13.8835, 16.3812 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(12, 117, 108)` looks like.

```
.text, #text, p{  
    color:rgb(12, 117, 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(12, 117, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 117, 108) }
```

Border

The CSS property to change the border of an element to XYZ 9.2197, 13.8835, 16.3812 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(12, 117, 108) }
```


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

```
.border{ border-color:rgb(12, 117, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 117, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 117, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 117, 108);  
box-shadow:4px 4px 4px 4px rgb(12, 117,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 9.2197, 13.8835, 16.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 117, 108) }
```

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

```
.background{ background-color: rgb(12, 117,  
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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