

Converting Colors

XYZ(16.1828, 7.0694, 11.5082)

Have a look what the booklet for
XYZ(16.1828, 7.0694, 11.5082)
contains.

| | |
|--|----|
| XYZ(16.8093, 8.4216, 11.8059) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(16.8093, 8.4216,
11.8059)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | A10060 |
| RGB | 161, 0, 96 |
| RGB Percent | 63%, 0%, 38% |
| CMY | 0.3686, 0.9999, 0.6235 |
| CMYK | 0.00, 1.00, 0.40, 0.37 |
| HSL | 324°, 100%, 32% |
| HSV | 324°, 100%, 63% |
| XYZ | 16.8093, 8.4216, 11.8059 |
| YIQ | 59.0830, 65.1400, 63.9880 |

Conversions

Conversions Part 2

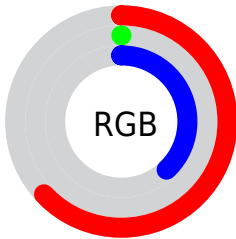
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 161, 0, 96 |
| Decimal | 10551392 |
| CIE _{Lab} | 34.85, 61.49, -7.70 |
| CIE _{LCh} | 35, 61.973, 352.859 |
| Yxy | 8.4216, 0.4539, 0.2274 |
| Android (android.graphics.Color) | 4288741472 (0xFFA10060) |
| YUV | 59.0830, 18.2001, 89.3812 |
| Hunter-Lab | 29.0200, 52.6079, -3.8063 |

Details

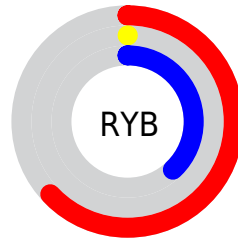
The XYZ color **16.8093, 8.4216, 11.8059** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.6999, 25.8718, 9.2760**, and the grayscale version is **4.1396, 4.3552, 4.7428**.

A 20% lighter version of the original color is **37.4279, 22.7397, 29.6107**, and **6.1692, 3.1139, 3.2935** is the 20% darker color. If you saturate the color by 10%, you get **16.8089, 8.4215, 11.8039**, and if you desaturate by 10%, it is **17.3083, 8.9206, 13.5106**.

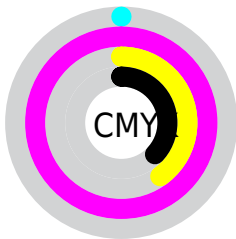
Distribution



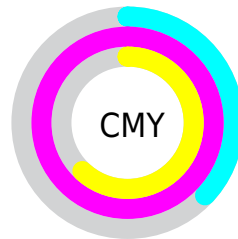
- Red (63%)
- Green (0%)
- Blue (38%)



- Red (63%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (37%)




- Cyan (37%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8093, 8.4216, 11.8059 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 16.8093, 8.4216, 11.8059 by changing the saturation by 10% instead.


 16.8093, 8.4216,
11.8059


 16.8093, 8.4216,
11.8059


227.2488,
179.0024, 214.0481


 10.1931, 4.3659,
6.4907


 37.5438, 22.7809,
29.8002


 5.5904, 1.8803,
3.0721

 52.3928, 33.8533,
43.3164


 2.6359, 0.5365,
1.1316

 70.7168, 48.0333,
60.4033

 0.9643, 0.0000,
0.0000

 92.8811, 65.7054,
81.4795

 0.0000, 0.0000,
0.0000

 119.2511, 87.2540,
106.9636

 150.1921,

113.0634, 137.2740

186.0696,
143.5181, 172.8293

16.8093, 8.4216,
11.8059

16.8093, 8.4216,
11.8059

16.8089, 8.4215,
11.8039

17.3083, 8.9206,
13.5106

17.9809, 9.7263,
15.3982

18.8917, 10.9668,
17.4929

20.0683, 12.6968,
19.8066

21.5346, 14.9629,
22.3498

■ 23.3113, 17.8061,
25.1319

■ 25.4176, 21.2635,
28.1619

■ 27.8706, 25.3690,
31.4477

■ 30.6866, 30.1540,
34.9971

Harmonies

Analogous

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



14.7291, 8.4216, 26.6360



16.8093, 8.4216, 11.8059



16.0334, 8.4216, 3.5000

Triad

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



16.8093, 8.4216, 11.8059



5.6459, 8.4216, 0.2079



4.5648, 8.4216, 35.0485

Complementary

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



16.8093, 8.4216, 11.8059



13.6999, 25.8718, 9.2760

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.



3.2362, 8.4216, 18.9885



16.8093, 8.4216, 11.8059



3.7200, 8.4216, 1.7267

Square

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



16.8093, 8.4216, 11.8059



8.8786, 8.4216, 0.0000



2.9805, 8.4216, 6.9584



7.1897, 8.4216, 45.1654

Rectangle

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



16.8093, 8.4216, 11.8059



14.0850, 8.4216, 1.2830



2.9805, 8.4216, 6.9584



3.9874, 8.4216, 29.7773

Sweetspot

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



16.8095, 8.4221, 11.8060



45.2865, 37.6930, 50.1102



8.5746, 3.6776, 33.9762



9.5929, 7.7071, 10.5110



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.8095, 8.4221, 11.8060



30.0034, 15.0421, 20.6136



14.7926, 7.6153, 1.1851



7.2427, 7.1535, 8.2643



13.4453, 6.7342, 9.5355



0.3050, 0.1505, 0.3188

Inverse Universe

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



16.8095, 8.4221, 11.8060



30.0034, 15.0421, 20.6136



17.8485, 27.5313, 31.1219



7.2427, 7.1535, 8.2643



13.4453, 6.7342, 9.5355



0.3050, 0.1505, 0.3188

Previews

White Background



This preview shows how the XYZ color 16.8093, 8.4216, 11.8059 looks on a white background.

Color Contrast Check

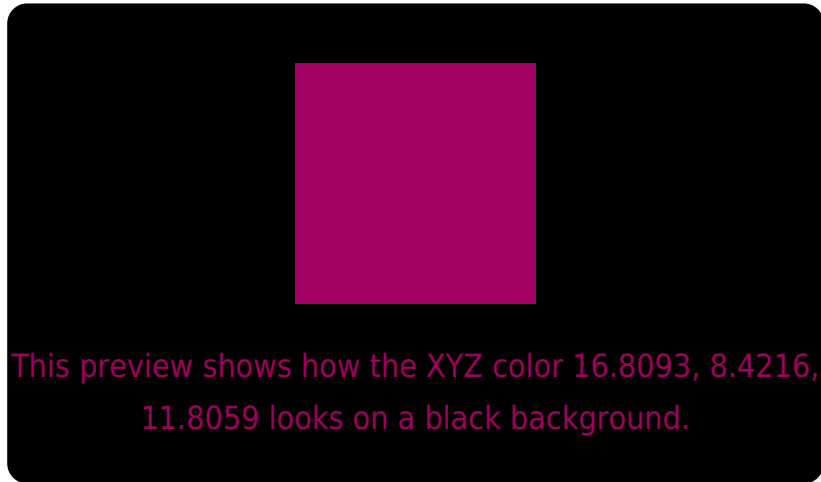
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

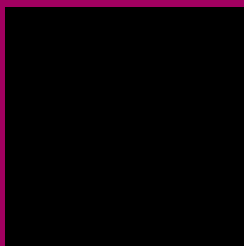
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8093, 8.4216, 11.8059

Background



This preview shows how black text looks on a background with the XYZ color 16.8093, 8.4216, 11.8059.



This preview shows how white text looks on a background with the XYZ color 16.8093, 8.4216,

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

16.8093, 8.4216, 11.8059

Protanopia

9.7951, 9.1115, 25.2872

Deuteranopia

9.1348, 8.9800, 10.7030



Tritanopia

15.1599, 8.8018, 2.8194

Trichromacy



Original Color

16.8093, 8.4216, 11.8059

Protanomaly

9.9938, 6.6289, 19.4917

Deuteranomaly

10.3622, 6.9417, 10.9189

Tritanomaly

15.4403, 8.3504, 5.0730

Monochromacy



Original Color

16.8093, 8.4216, 11.8059

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6867, 4.3409, 6.6163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8093, 8.4216, 11.8059 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(161, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 96)  
}
```

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(161, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.8093, 8.4216, 11.8059 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(161, 0, 96) }
```


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

```
.border{ border-color:rgb(161, 0, 96) }
```

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

Here you see how a box with a 4 pixel rgb(161, 0, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(161, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8093, 8.4216, 11.8059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 96) }
```

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

```
.background{ background-color: rgb(161, 0,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor