

Converting Colors

XYZ(14.9969, 5.9278, 11.3621)

Have a look what the booklet for
XYZ(14.9969, 5.9278, 11.3621)
contains.

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Color

**XYZ(16.0159, 8.0126,
11.7688)**

Conversions

Conversions Part 1

Format	Color
Hex	9D0060
RGB	157, 0, 96
RGB Percent	62%, 0%, 38%
CMY	0.3843, 0.9999, 0.6235
CMYK	0.00, 1.00, 0.39, 0.38
HSL	323°, 100%, 31%
HSV	323°, 100%, 62%
XYZ	16.0159, 8.0126, 11.7688
YIQ	57.8870, 62.7560, 63.1400

Conversions

Conversions Part 2

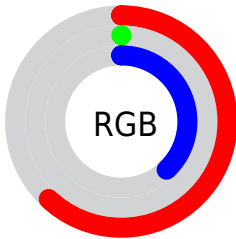
Format	Color
R_{YB}	157, 0, 96
Decimal	10289248
CIE _{Lab}	34.01, 60.61, -9.05
CIE _{LCh}	34, 61.284, 351.511
Yxy	8.0126, 0.4474, 0.2238
Android (android.graphics.Color)	4288479328 (0xFF9D0060)
YUV	57.8870, 18.7897, 86.9221
Hunter-Lab	28.3065, 51.4593, -4.8360

Details

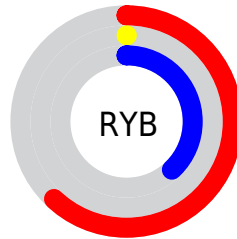
The XYZ color **16.0159, 8.0126, 11.7688** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.9000, 24.4511, 8.4574**, and the grayscale version is **3.9779, 4.1851, 4.5576**.

A 20% lighter version of the original color is **36.1611, 21.9820, 29.5312**, and **5.8313, 2.9396, 3.2777** is the 20% darker color. If you saturate the color by 10%, you get **16.0155, 8.0125, 11.7669**, and if you desaturate by 10%, it is **16.4890, 8.4918, 13.3667**.

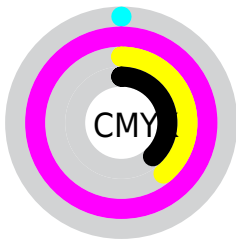
Distribution



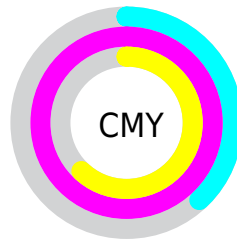
- Red (62%)
- Green (0%)
- Blue (38%)



- Red (62%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (38%)





- Cyan (38%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0159, 8.0126, 11.7688 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 16.0159, 8.0126, 11.7688 by changing the saturation by 10% instead.


 16.0159, 8.0126,
11.7688


 16.0159, 8.0126,
11.7688


222.7041,
175.8308, 213.7919


 9.6263, 4.1030,
6.4658


 36.1830, 21.9831,
29.7314


 5.2123, 1.7314,
3.0570

 50.6913, 32.8129,
43.2281


 2.4084, 0.4438,
1.1238

 68.6365, 46.7181,
60.2931

 0.8493, 0.0000,
0.0000


 90.3840, 64.0833,
81.3450


 0.0000, 0.0000,
0.0000


 116.2991, 85.2927,
106.8023


 146.7473,


110.7309, 137.0835


 182.0938,
140.7821, 172.6072


 16.0159, 8.0126,
11.7688


 16.0159, 8.0126,
11.7688


 16.0155, 8.0125,
11.7669

 16.4890, 8.4918,
13.3667

 17.1232, 9.2572,
15.1281

 17.9804, 10.4326,
17.0760

 19.0869, 12.0691,
19.2215

 20.4646, 14.2106,
21.5739

■ 22.1333, 16.8953,
24.1420

■ 24.1107, 20.1583,
26.9336

■ 26.4129, 24.0313,
29.9562

■ 29.0552, 28.5439,
33.2168

Harmonies

Analogous

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



13.9153, 8.0126, 26.1788



16.0159, 8.0126, 11.7688



15.3982, 8.0126, 3.5265

Triad

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



16.0159, 8.0126, 11.7688



5.4736, 8.0126, 0.1134



4.2462, 8.0126, 32.8880

Complementary

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



16.0159, 8.0126, 11.7688



12.9000, 24.4511, 8.4574

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.



3.0301, 8.0126, 17.4777



16.0159, 8.0126, 11.7688



3.5790, 8.0126, 1.5129

Square

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



16.0159, 8.0126, 11.7688



8.6154, 8.0126, 0.0000



2.8285, 8.0126, 6.2562



6.6965, 8.0126, 43.0880

Rectangle

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



16.0159, 8.0126, 11.7688



13.5888, 8.0126, 1.2911



2.8285, 8.0126, 6.2562



3.7137, 8.0126, 27.7733

Sweetspot

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



16.0161, 8.0131, 11.7689



42.9548, 35.7265, 47.9288



7.9614, 3.4015, 32.1351



9.1362, 7.3377, 10.1090



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.0161, 8.0131, 11.7689



28.5862, 14.3111, 20.5670



14.0167, 7.2133, 1.2403



6.7948, 6.7109, 7.7707



13.0261, 6.5150, 9.6544



0.2532, 0.1246, 0.2793

Inverse Universe

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



16.0161, 8.0131, 11.7689



28.5862, 14.3111, 20.5670



16.6944, 25.9689, 28.4384



6.7948, 6.7109, 7.7707



13.0261, 6.5150, 9.6544



0.2532, 0.1246, 0.2793

Previews

White Background



This preview shows how the XYZ color 16.0159, 8.0126, 11.7688 looks on a white background.

Color Contrast Check

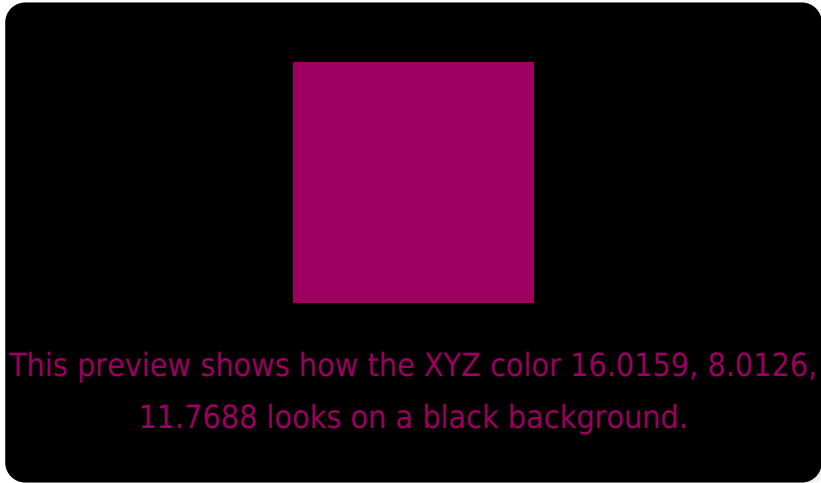
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0159, 8.0126, 11.7688

Background



This preview shows how black text looks on a background with the XYZ color 16.0159, 8.0126, 11.7688.



This preview shows how white text looks on a background with the XYZ color 16.0159, 8.0126,

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

16.0159, 8.0126, 11.7688

Protanopia

9.3934, 8.6805, 25.2252

Deuteranopia

8.7701, 8.6808, 10.6645



Tritanopia

14.3857, 8.4027, 2.7831

Trichromacy



Original Color

16.0159, 8.0126, 11.7688

Protanomaly

9.5225, 6.3189, 19.4567

Deuteranomaly

9.9698, 6.7394, 10.9006

Tritanomaly

14.6598, 7.9481, 5.0364

Monochromacy



Original Color

16.0159, 8.0126, 11.7688

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.4474, 4.1707, 6.5961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0159, 8.0126, 11.7688 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(157, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.0159, 8.0126, 11.7688 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(157, 0, 96) }
```


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

```
.border{ border-color:rgb(157, 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(157, 0, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(157, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.0159, 8.0126, 11.7688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 0, 96) }
```

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

```
.background{ background-color: rgb(157, 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](#).

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