

Converting Colors

XYZ(16.6136, 8.2766, 13.7906)

Have a look what the booklet for
XYZ(16.6136, 8.2766, 13.7906)
contains.

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Color

**XYZ(16.5992, 8.2686,
13.8178)**

Conversions

Conversions Part 1

Format	Color
Hex	9E0068
RGB	158, 0, 104
RGB Percent	62%, 0%, 41%
CMY	0.3804, 0.9999, 0.5922
CMYK	0.00, 1.00, 0.34, 0.38
HSL	321°, 100%, 31%
HSV	321°, 100%, 62%
XYZ	16.5992, 8.2686, 13.8178
YIQ	59.0980, 60.7840, 65.8400

Conversions

Conversions Part 2

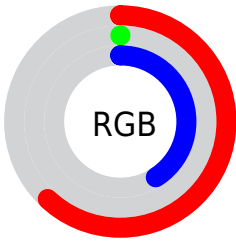
Format	Color
RYB	158, 0, 104
Decimal	10354792
CIELab	34.54, 61.65, -13.37
CIELCh	35, 63.087, 347.761
Yxy	8.2686, 0.4291, 0.2137
Android (android.graphics.Color)	4288544872 (0xFF9E0068)
YUV	59.0980, 22.1367, 86.7371
Hunter-Lab	28.7552, 52.7193, -8.3622

Details

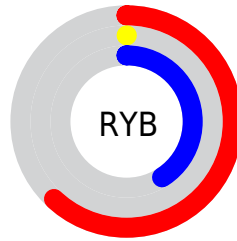
The XYZ color **16.5992, 8.2686, 13.8178** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.8935, 24.7203, 7.5848**, and the grayscale version is **4.1371, 4.3525, 4.7399**.

A 20% lighter version of the original color is **37.2561, 22.5670, 33.4026**, and **6.1053, 3.0621, 4.1402** is the 20% darker color. If you saturate the color by 10%, you get **16.5988, 8.2684, 13.8157**, and if you desaturate by 10%, it is **17.0651, 8.7472, 15.3704**.

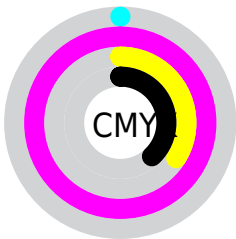
Distribution



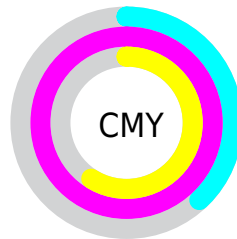
- Red (62%)
- Green (0%)
- Blue (41%)



- Red (62%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (38%)



- Cyan (38%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5992, 8.2686, 13.8178 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 16.5992, 8.2686, 13.8178 by changing the saturation by 10% instead.

■ 16.5992, 8.2686,
13.8178

■ 16.5992, 8.2686,
13.8178

226.0535,
177.8238, 227.4833

■ 10.0427, 4.2673,
7.8568

■ 37.1845, 22.4833,
33.4779

■ 5.4897, 1.8242,
3.9170

■ 51.9439, 33.4656,
48.0139

■ 2.5751, 0.5022,
1.5799

■ 70.1684, 47.5436,
66.2454

■ 0.9333, 0.0000,
0.2764

■ 92.2233, 65.1017,
88.5909

■ 0.0000, 0.0000,
0.0000

■ 118.4738, 86.5244,
115.4689

■ 149.2855,

112.1961, 147.2979

185.0236,
142.5011, 184.4965

16.5992, 8.2686,
13.8178

16.5992, 8.2686,
13.8178

16.5988, 8.2684,
13.8157

17.0651, 8.7472,
15.3704

17.6900, 9.5152,
17.0641

18.5365, 10.6971,
18.9215

19.6307, 12.3450,
20.9529

20.9952, 14.5032,
23.1670

■ 22.6496, 17.2108,
25.5719

■ 24.6118, 20.5031,
28.1750

■ 26.8983, 24.4123,
30.9831

■ 29.5241, 28.9685,
34.0025

Harmonies

Analogous

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



14.0758, 8.2686, 29.5859



16.5992, 8.2686, 13.8178



16.3205, 8.2686, 4.2582

Triad

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



16.5992, 8.2686, 13.8178



5.9547, 8.2686, 0.0000



4.1045, 8.2686, 32.6289

Complementary

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



16.5992, 8.2686, 13.8178



12.8935, 24.7203, 7.5848

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.



2.9848, 8.2686, 16.3831



16.5992, 8.2686, 13.8178



3.8102, 8.2686, 1.2174

Square

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



16.5992, 8.2686, 13.8178



9.3973, 8.2686, 0.0000



2.8964, 8.2686, 5.4611



6.4985, 8.2686, 44.8274

Rectangle

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



16.5992, 8.2686, 13.8178



14.5878, 8.2686, 1.5526



2.8964, 8.2686, 5.4611



3.6024, 8.2686, 27.0729

Sweetspot

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



16.5995, 8.2691, 13.8179



44.4646, 36.8433, 50.8714



7.6233, 3.2174, 32.5669



9.6929, 7.7471, 11.0375



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.



16.5995, 8.2691, 13.8179



30.0467, 14.9767, 24.5799



14.2912, 7.3458, 1.6627



6.8077, 6.7160, 7.8386



13.3129, 6.6297, 11.1648



0.2571, 0.1262, 0.3000

Inverse Universe

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



16.5995, 8.2691, 13.8179



30.0467, 14.9767, 24.5799



16.3694, 26.1107, 25.8888



6.8077, 6.7160, 7.8386



13.3129, 6.6297, 11.1648



0.2571, 0.1262, 0.3000

Previews

White Background



This preview shows how the XYZ color 16.5992, 8.2686, 13.8178 looks on a white background.

Color Contrast Check

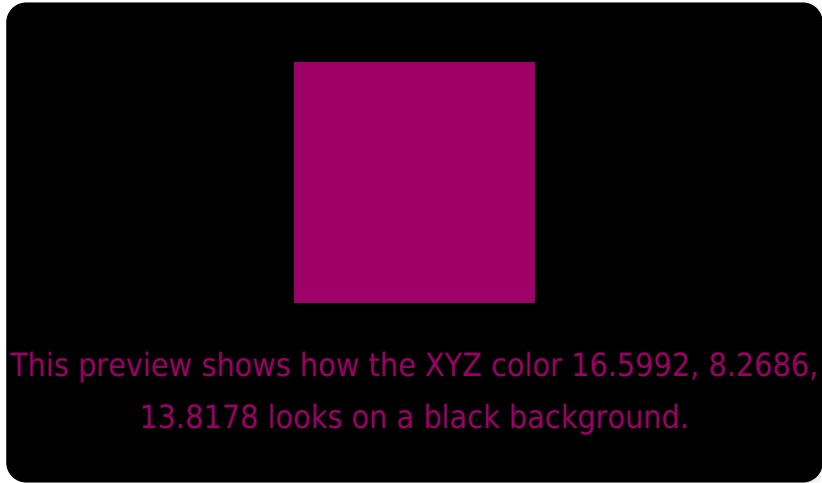
Large Text (above 18pt) WCAG AA ✓ Pass

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

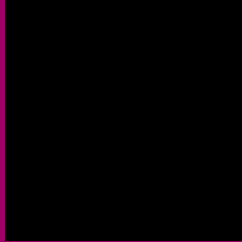
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5992, 8.2686, 13.8178

Background



This preview shows how black text looks on a background with the XYZ color 16.5992, 8.2686, 13.8178.



This preview shows how white text looks on a background with the XYZ color 16.5992, 8.2686, 13.8178.

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

16.5992, 8.2686, 13.8178

Protanopia

9.9634, 8.9888, 29.6436

Deuteranopia

9.0127, 8.8761, 12.5475



Tritanopia

14.5554, 8.6303, 3.1842

Trichromacy



Original Color

16.5992, 8.2686, 13.8178

Protanomaly

9.8753, 6.4247, 22.9099

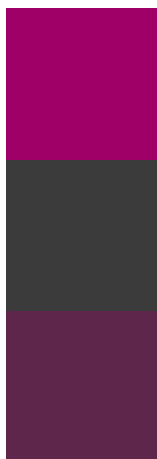
Deuteranomaly

10.2103, 6.8208, 12.8350

Tritanomaly

14.8411, 8.0890, 5.7801

Monochromacy



Original Color

16.5992, 8.2686, 13.8178

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6824, 4.3271, 7.1396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5992, 8.2686, 13.8178 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(158, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 104)  
}
```

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(158, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 104) }
```

Border

The CSS property to change the border of an element to XYZ 16.5992, 8.2686, 13.8178 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(158, 0, 104) }
```


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

```
.border{ border-color:rgb(158, 0, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 0, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(158, 0,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5992, 8.2686, 13.8178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 104) }
```

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

```
.background{ background-color: rgb(158, 0,  
104) }
```

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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