

Converting Colors

XYZ(16.6050, 8.2157, 16.3384)

Have a look what the booklet for
XYZ(16.6050, 8.2157, 16.3384)
contains.

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Color

**XYZ(16.6909, 8.2602,
16.3374)**

Conversions

Conversions Part 1

Format	Color
Hex	9C0071
RGB	156, 0, 113
RGB Percent	61%, 0%, 44%
CMY	0.3882, 0.9999, 0.5569
CMYK	0.00, 1.00, 0.28, 0.39
HSL	317°, 100%, 31%
HSV	317°, 100%, 61%
XYZ	16.6909, 8.2602, 16.3374
YIQ	59.5260, 56.7030, 68.2150

Conversions

Conversions Part 2

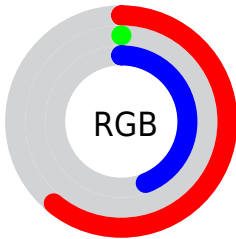
Format	Color
R_{YB}	156, 0, 113
Decimal	10223729
CIE _{Lab}	34.52, 62.24, -19.17
CIE _{LCh}	35, 65.127, 342.877
Yxy	8.2602, 0.4043, 0.2001
Android (android.graphics.Color)	4288413809 (0xFF9C0071)
YUV	59.5260, 26.3627, 84.6077
Hunter-Lab	28.7406, 53.3668, -13.5846

Details

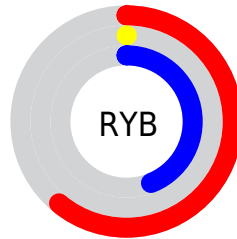
The XYZ color **16.6909, 8.2602, 16.3374** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.3252, 23.9516, 6.2611**, and the grayscale version is **4.1903, 4.4085, 4.8009**.

A 20% lighter version of the original color is **37.2475, 22.4615, 37.9697**, and **6.2097, 3.0910, 5.2704** is the 20% darker color. If you saturate the color by 10%, you get **16.6906, 8.2600, 16.3356**, and if you desaturate by 10%, it is **17.1186, 8.7188, 17.7031**.

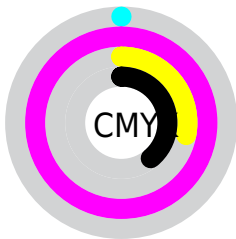
Distribution



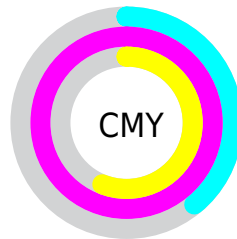
- Red (61%)
- Green (0%)
- Blue (44%)



- Red (61%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6909, 8.2602, 16.3374 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 16.6909, 8.2602, 16.3374 by changing the saturation by 10% instead.

■ 16.6909, 8.2602,
16.3374

■ 16.6909, 8.2602,
16.3374

226.5759,
177.7589, 243.2378

■ 10.1083, 4.2619,
9.6063

■ 37.3414, 22.4670,
37.9579

■ 5.5336, 1.8211,
5.0365

■ 52.1400, 33.4442,
53.6843

■ 2.6016, 0.5003,
2.2096

■ 70.4080, 47.5166,
73.2463

■ 0.9468, 0.0000,
0.6799


■ 92.5107, 65.0685,
97.0623

■ 0.0000, 0.0000,
0.0000

■ 118.8135, 86.4842,
125.5509


■ 149.6817,


112.1483, 159.1307

 185.4807,
142.4450, 198.2201


 16.6909, 8.2602,
16.3374


 16.6909, 8.2602,
16.3374


 16.6906, 8.2600,
16.3356

 17.1186, 8.7188,
17.7031

 17.6943, 9.4548,
19.1754

 18.4793, 10.5906,
20.7757

 19.4988, 12.1764,
22.5130

 20.7745, 14.2551,
24.3952

■ 22.3253, 16.8646,
26.4295

■ 24.1685, 20.0390,
28.6221

■ 26.3197, 23.8095,
30.9791

■ 28.7936, 28.2050,
33.5060

Harmonies

Analogous

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



13.6860, 8.2602, 33.3588



16.6909, 8.2602, 16.3374



16.9152, 8.2602, 5.2054

Triad

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



16.6909, 8.2602, 16.3374



6.3834, 8.2602, 0.0000



3.7376, 8.2602, 30.8901

Complementary

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



16.6909, 8.2602, 16.3374



12.3252, 23.9516, 6.2611

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.



2.7914, 8.2602, 14.2810



16.6909, 8.2602, 16.3374



3.9671, 8.2602, 0.8242

Square

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



16.6909, 8.2602, 16.3374



10.1131, 8.2602, 0.0000



2.8598, 8.2602, 4.2658



5.9543, 8.2602, 45.3336

Rectangle

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



16.6909, 8.2602, 16.3374



15.3777, 8.2602, 1.8860



2.8598, 8.2602, 4.2658



3.2965, 8.2602, 24.9923

Sweetspot

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



16.6912, 8.2606, 16.3375



43.6777, 36.0157, 51.7355



6.9402, 2.8850, 31.6435



9.3123, 7.4082, 11.0362



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.



16.6912, 8.2606, 16.3375



30.2283, 14.9679, 29.2139



14.0354, 7.1983, 2.3523



6.8261, 6.7234, 7.9352



13.7631, 6.8098, 13.5352



0.2628, 0.1284, 0.3300

Inverse Universe

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



16.6912, 8.2606, 16.3375



30.2283, 14.9679, 29.2139



15.2550, 25.1236, 21.6892



6.8261, 6.7234, 7.9352



13.7631, 6.8098, 13.5352



0.2628, 0.1284, 0.3300

Previews

White Background



This preview shows how the XYZ color 16.6909, 8.2602, 16.3374 looks on a white background.

Color Contrast Check

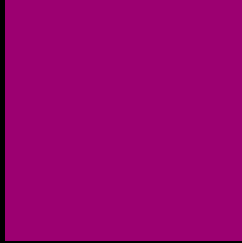
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 16.6909, 8.2602, 16.3374 looks on a 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 16.6909, 8.2602, 16.3374

Background



This preview shows how black text looks on a background with the XYZ color 16.6909, 8.2602, 16.3374.



This preview shows how white text looks on a background with the XYZ color 16.6909, 8.2602, 16.3374.

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

16.6909, 8.2602, 16.3374

Protanopia

10.3254, 9.0589, 34.9226

Deuteranopia

9.0881, 8.9765, 14.8893



Tritanopia

14.2140, 8.6613, 3.6120

Trichromacy



Original Color

16.6909, 8.2602, 16.3374

Protanomaly

9.7417, 6.2634, 27.0811

Deuteranomaly

10.2178, 6.8385, 15.2494

Tritanomaly

14.7136, 8.1060, 6.7504

Monochromacy



Original Color

16.6909, 8.2602, 16.3374

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.8237, 4.3836, 7.8836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6909, 8.2602, 16.3374 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(156, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 113)  
}
```

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(156, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.6909, 8.2602, 16.3374 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(156, 0, 113) }
```


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

```
.border{ border-color:rgb(156, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6909, 8.2602, 16.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 113) }
```

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

```
.background{ background-color: rgb(156, 0,  
113) }
```

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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