

Converting Colors

XYZ(16.9689, 8.9029, 16.1825)

Have a look what the booklet for
XYZ(16.9689, 8.9029, 16.1825)
contains.

XYZ(16.9616, 8.8910, 16.1514)	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(16.9616, 8.8910,
16.1514)**

Conversions

Conversions Part 1

Format	Color
Hex	9C1870
RGB	156, 24, 112
RGB Percent	61%, 9%, 44%
CMY	0.3882, 0.9058, 0.5608
CMYK	0.00, 0.85, 0.28, 0.39
HSL	320°, 73%, 35%
HSV	320°, 85%, 61%
XYZ	16.9616, 8.8910, 16.1514
YIQ	73.5000, 50.4240, 55.3520

Conversions

Conversions Part 2

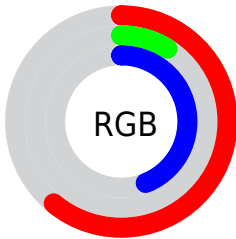
Format	Color
R_{YB}	156, 24, 112
Decimal	10229872
CIE _{Lab}	35.77, 58.34, -16.61
CIE _{LCh}	36, 60.656, 344.110
Yxy	8.8910, 0.4038, 0.2117
Android (android.graphics.Color)	4288419952 (0xFF9C1870)
YUV	73.5000, 18.9805, 72.3525
Hunter-Lab	29.8178, 49.3571, -11.2432

Details

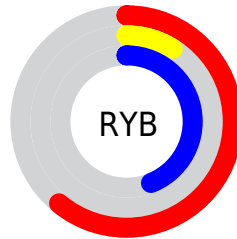
The XYZ color **16.9616, 8.8910, 16.1514** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.3091, 24.3889, 9.4764**, and the grayscale version is **6.3828, 6.7152, 7.3128**.

A 20% lighter version of the original color is **37.7602, 23.6321, 37.6932**, and **6.1809, 3.0795, 5.1191** is the 20% darker color. If you saturate the color by 10%, you get **16.4450, 8.3079, 14.5916**, and if you desaturate by 10%, it is **17.6788, 9.8484, 17.8607**.

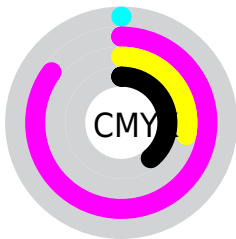
Distribution



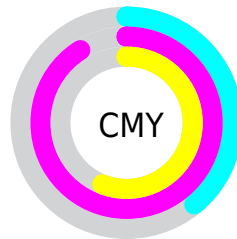
- Red (61%)
- Green (9%)
- Blue (44%)



- Red (61%)
- Yellow (9%)
- Blue (44%)



- Cyan (0%)
- Magenta (85%)
- Yellow (28%)
- Black (39%)




- Cyan (39%)
- Magenta (91%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9616, 8.8910, 16.1514 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 16.9616, 8.8910, 16.1514 by changing the saturation by 10% instead.


 16.9616, 8.8910,
16.1514


 16.9616, 8.8910,
16.1514


228.1116,
182.5627, 242.1096


 10.3023, 4.6702,
9.4758


 37.8039, 23.6875,
37.6313


 5.6636, 2.0551,
4.9518


 52.7175, 35.0320,
53.2727


 2.6803, 0.6392,
2.1608

 71.1133, 49.5198,
72.7398

 0.9871, 0.0000,
0.6516

 93.3565, 67.5354,
96.4511

 0.0000, 0.0000,
0.0000

 119.8126, 89.4630,
124.8252

 150.8469,

115.6872, 158.2806

186.8248,
146.5923, 197.2359

■ 16.9616, 8.8910,
16.1514

■ 16.9616, 8.8910,
16.1514

■ 16.4450, 8.3079,
14.5916

■ 17.6788, 9.8484,
17.8607

■ 16.2089, 8.0674,
13.7987

■ 18.6243, 11.2354,
19.7299

■ 19.8216, 13.0983,
21.7683

■ 21.2909, 15.4771,
23.9838

■ 23.0503, 18.4076,
26.3837

■ 25.1162, 21.9223,
28.9748

■ 27.5039, 26.0513,
31.7633

■ 30.2275, 30.8225,
34.7551

■ 33.3003, 36.2621,
37.9559

Harmonies

Analogous

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



14.2115, 8.8910, 31.8877



16.9616, 8.8910, 16.1514



17.0499, 8.8910, 5.6227

Triad

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



16.9616, 8.8910, 16.1514



6.8796, 8.8910, 0.1994



4.4058, 8.8910, 30.9378

Complementary

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



16.9616, 8.8910, 16.1514



13.3091, 24.3889, 9.4764

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.



3.3746, 8.8910, 15.3328



16.9616, 8.8910, 16.1514



4.5045, 8.8910, 1.3002

Square

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



16.9616, 8.8910, 16.1514



10.4811, 8.8910, 0.2335



3.4047, 8.8910, 5.2206



6.7009, 8.8910, 43.7683

Rectangle

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



16.9616, 8.8910, 16.1514



15.5361, 8.8910, 2.2954



3.4047, 8.8910, 5.2206



3.9330, 8.8910, 25.5005

Sweetspot

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



16.9619, 8.8915, 16.1516



45.2626, 39.2076, 52.1953



8.7119, 4.2831, 31.8203



9.6813, 8.1515, 11.1424



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.



16.9619, 8.8915, 16.1516



29.3454, 14.6148, 24.5650



14.5305, 7.9189, 3.3482



6.8101, 6.7169, 7.8509



13.3676, 6.6516, 11.4527



0.2578, 0.1264, 0.3037

Inverse Universe

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



16.9619, 8.8915, 16.1516



29.3454, 14.6148, 24.5650



16.5687, 25.6927, 26.6409



6.8101, 6.7169, 7.8509



13.3676, 6.6516, 11.4527



0.2578, 0.1264, 0.3037

Previews

White Background



This preview shows how the XYZ color 16.9616, 8.8910, 16.1514 looks on a white background.

Color Contrast Check

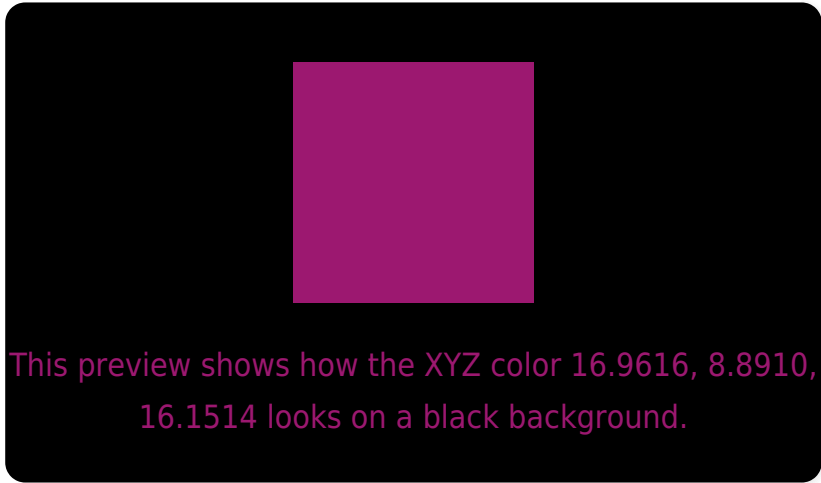
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9616, 8.8910, 16.1514

Background



This preview shows how black text looks on a background with the XYZ color 16.9616, 8.8910, 16.1514.



This preview shows how white text looks on a background with the XYZ color 16.9616, 8.8910,

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

16.9616, 8.8910, 16.1514

Protanopia

10.3749, 9.2569, 32.2503

Deuteranopia

9.3763, 9.2454, 14.6550



Tritanopia

14.4170, 8.9322, 4.0962

Trichromacy



Original Color

16.9616, 8.8910, 16.1514

Protanomaly

10.5026, 7.4332, 25.3073

Deuteranomaly

10.8598, 7.8430, 15.1288

Tritanomaly

15.0650, 8.7044, 7.1894

Monochromacy



Original Color

16.9616, 8.8910, 16.1514

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.8845, 6.4760, 10.0142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9616, 8.8910, 16.1514 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, 24, 112)` looks like.

```
.text, #text, p{  
    color:rgb(156, 24, 112)  
}
```

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, 24, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 24, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.9616, 8.8910, 16.1514 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, 24, 112) }
```


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

```
.border{ border-color:rgb(156, 24, 112) }
```

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

Here you see how a box with a 4 pixel rgb(156, 24, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 24, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 24, 112);  
box-shadow:4px 4px 4px 4px rgb(156, 24,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9616, 8.8910, 16.1514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 24, 112) }
```

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

```
.background{ background-color: rgb(156, 24,  
112) }
```

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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