

Converting Colors

XYZ(16.9401, 8.6727, 6.8814)

Have a look what the booklet for
XYZ(16.9401, 8.6727, 6.8814)
contains.

XYZ(16.9499, 8.6834, 6.9136)	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(16.9499, 8.6834,
6.9136)**

Conversions

Conversions Part 1

Format	Color
Hex	A60548
RGB	166, 5, 72
RGB Percent	65%, 2%, 28%
CMY	0.3490, 0.9803, 0.7176
CMYK	0.00, 0.97, 0.57, 0.35
HSL	335°, 94%, 34%
HSV	335°, 97%, 65%
XYZ	16.9499, 8.6834, 6.9136
YIQ	60.7770, 74.4490, 54.9690

Conversions

Conversions Part 2

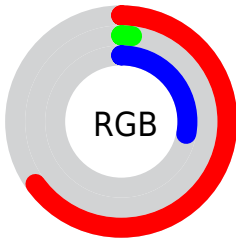
Format	Color
RYB	166, 5, 72
Decimal	10880328
CIELab	35.37, 60.02, 8.78
CIELCh	35, 60.663, 8.317
Yxy	8.6834, 0.5208, 0.2668
Android (android.graphics.Color)	4289070408 (0xFFA60548)
YUV	60.7770, 5.5329, 92.2806
Hunter-Lab	29.4676, 51.1057, 6.7169

Details

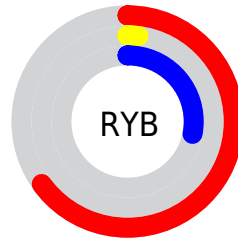
The XYZ color **16.9499, 8.6834, 6.9136** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.9523, 28.2062, 16.4138**, and the grayscale version is **4.3908, 4.6195, 5.0306**.

A 20% lighter version of the original color is **37.8647, 23.2789, 20.2669**, and **6.2852, 3.2145, 1.4516** is the 20% darker color. If you saturate the color by 10%, you get **16.8021, 8.5375, 6.4034**, and if you desaturate by 10%, it is **17.5170, 9.2711, 8.7879**.

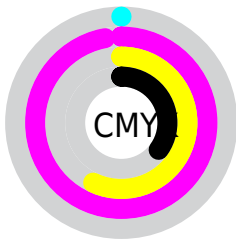
Distribution



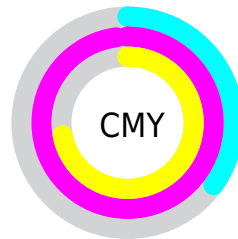
- Red (65%)
- Green (2%)
- Blue (28%)



- Red (65%)
- Yellow (2%)
- Blue (28%)



- Cyan (0%)
- Magenta (97%)
- Yellow (57%)
- Black (35%)





- Cyan (35%)
- Magenta (98%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9499, 8.6834, 6.9136 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 16.9499, 8.6834, 6.9136 by changing the saturation by 10% instead.


 16.9499, 8.6834,
6.9136

 16.9499, 8.6834,
6.9136


228.0454,
180.9982, 176.5475


 10.2939, 4.5353,
3.3305


 37.7839, 23.2877,
20.3091


 5.6580, 1.9773,
1.2658

 52.6926, 34.5126,
30.9585


 2.6769, 0.5942,
0.0335

 71.0828, 48.8653,
44.8005

 0.9853, 0.0000,
0.0000

 93.3200, 66.7301,
62.2536

 0.0000, 0.0000,
0.0000

 119.7695, 88.4913,
83.7363

 150.7967,

114.5335, 109.6671

186.7668,
145.2410, 140.4647

■ 16.9499, 8.6834,
6.9136

■ 16.9499, 8.6834,
6.9136

■ 16.8021, 8.5375,
6.4034

■ 17.5170, 9.2711,
8.7879

■ 18.3312, 10.2696,
11.0013

■ 19.4366, 11.7638,
13.5787

■ 20.8629, 13.8102,
16.5397

■ 22.6361, 16.4577,
19.9018

■ 24.7792, 19.7496,
23.6816

■ 27.3133, 23.7253,
27.8942

■ 30.2577, 28.4208,
32.5542

■ 33.6304, 33.8698,
37.6752

Harmonies

Analogous

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



16.2982, 8.6834, 18.6025



16.9499, 8.6834, 6.9136



14.8019, 8.6834, 1.8004

Triad

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



16.9499, 8.6834, 6.9136



4.7213, 8.6834, 0.9357



5.9921, 8.6834, 41.4371

Complementary

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



16.9499, 8.6834, 6.9136



15.9523, 28.2062, 16.4138

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.



3.9930, 8.6834, 27.3404



16.9499, 8.6834, 6.9136



3.4182, 8.6834, 3.9400

Square

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



16.9499, 8.6834, 6.9136



7.3104, 8.6834, 0.0667



3.1962, 8.6834, 12.5528



9.2740, 8.6834, 44.6510

Rectangle

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



16.9499, 8.6834, 6.9136



12.3535, 8.6834, 0.6541



3.1962, 8.6834, 12.5528



5.1785, 8.6834, 37.4965

Sweetspot

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



16.9501, 8.6839, 6.9137



48.3217, 41.0863, 48.5878



12.0750, 5.5107, 36.5036



10.3877, 8.5259, 10.1665



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.9501, 8.6839, 6.9137



30.3942, 15.4547, 11.0947



15.9769, 8.5650, 0.9554



7.6557, 7.5921, 8.5042



13.0515, 6.6293, 5.0827



0.3432, 0.1716, 0.2588

Inverse Universe

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



16.9501, 8.6839, 6.9137



30.3942, 15.4547, 11.0947



18.2693, 25.4325, 40.0225



7.6557, 7.5921, 8.5042



13.0515, 6.6293, 5.0827



0.3432, 0.1716, 0.2588

Previews

White Background



This preview shows how the XYZ color 16.9499, 8.6834, 6.9136 looks on a white background.

Color Contrast Check

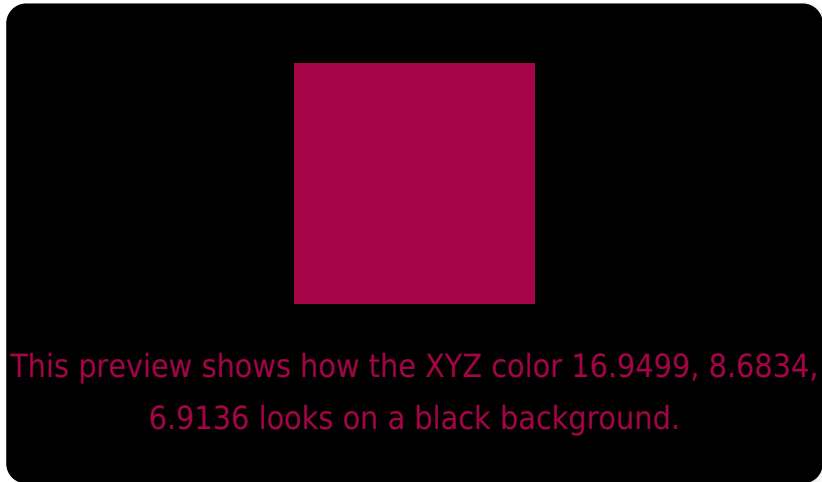
Large Text (above 18pt) WCAG AA ✓ Pass

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

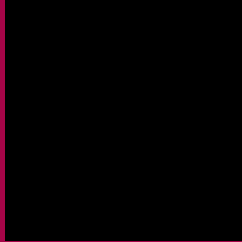
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9499, 8.6834, 6.9136

Background



This preview shows how black text looks on a background with the XYZ color 16.9499, 8.6834, 6.9136.



This preview shows how white text looks on a background with the XYZ color 16.9499, 8.6834,

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

16.9499, 8.6834, 6.9136

Protanopia

9.1916, 9.2663, 14.6687

Deuteranopia

9.3383, 9.1829, 6.2813



Tritanopia

15.9588, 8.8551, 1.9667

Trichromacy



Original Color

16.9499, 8.6834, 6.9136

Protanomaly

10.0720, 7.0634, 11.1884

Deuteranomaly

10.8200, 7.4157, 6.3299

Tritanomaly

16.2218, 8.6815, 3.2036

Monochromacy



Original Color

16.9499, 8.6834, 6.9136

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.8927, 4.6202, 5.5295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9499, 8.6834, 6.9136 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(166, 5, 72)` looks like.

```
.text, #text, p{  
    color:rgb(166, 5, 72)  
}
```

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(166, 5, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 5, 72) }
```

Border

The CSS property to change the border of an element to XYZ 16.9499, 8.6834, 6.9136 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(166, 5, 72) }
```


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

```
.border{ border-color:rgb(166, 5, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 5, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 5, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 5, 72);  
box-shadow:4px 4px 4px 4px rgb(166, 5, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9499, 8.6834, 6.9136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 5, 72) }
```

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

```
.background{ background-color: rgb(166, 5,  
72) }
```

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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