

Converting Colors

XYZ(16.3657, 7.3773, 9.3044)

Have a look what the booklet for
XYZ(16.3657, 7.3773, 9.3044)
contains.

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Color

**XYZ(16.9896, 8.5644,
9.5617)**

Conversions

Conversions Part 1

Format	Color
Hex	A40056
RGB	164, 0, 86
RGB Percent	64%, 0%, 34%
CMY	0.3569, 0.9999, 0.6627
CMYK	0.00, 1.00, 0.48, 0.36
HSL	329°, 100%, 32%
HSV	329°, 100%, 64%
XYZ	16.9896, 8.5644, 9.5617
YIQ	58.8400, 70.1380, 61.5140

Conversions

Conversions Part 2

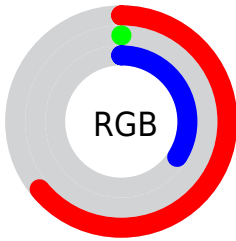
Format	Color
RYB	164, 0, 86
Decimal	10747990
CIELab	35.13, 61.26, -0.74
CIElCh	35, 61.265, 359.309
Yxy	8.5644, 0.4838, 0.2439
Android (android.graphics.Color)	4288938070 (0xFFA40056)
YUV	58.8400, 13.3899, 92.2253
Hunter-Lab	29.2650, 52.4133, 1.1138

Details

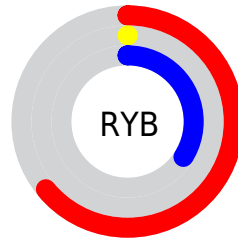
The XYZ color **16.9896, 8.5644, 9.5617** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.6517, 27.1015, 11.6709**, and the grayscale version is **4.1125, 4.3267, 4.7118**.

A 20% lighter version of the original color is **37.9088, 23.0736, 25.7482**, and **6.3441, 3.2243, 2.3858** is the 20% darker color. If you saturate the color by 10%, you get **16.9892, 8.5642, 9.5595**, and if you desaturate by 10%, it is **17.5129, 9.0803, 11.3726**.

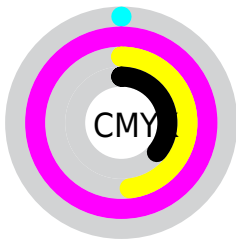
Distribution



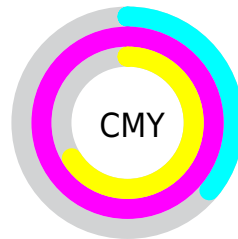
- Red (64%)
- Green (0%)
- Blue (34%)



- Red (64%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (36%)



- Cyan (36%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9896, 8.5644, 9.5617 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 16.9896, 8.5644, 9.5617 by changing the saturation by 10% instead.

■ 16.9896, 8.5644,
9.5617

■ 16.9896, 8.5644,
9.5617

228.2698,
180.0942, 197.8844

■ 10.3223, 4.4582,
5.0076

■ 37.8516, 23.0577,
25.5626

■ 5.6771, 1.9330,
2.1929

■ 52.7771, 34.2135,
37.8464

■ 2.6885, 0.5681,
0.6703

■ 71.1860, 48.4880,
53.5438

■ 0.9913, 0.0000,
0.0000

■ 93.4438, 66.2656,
73.0734

■ 0.0000, 0.0000,
0.0000

■ 119.9157, 87.9306,
96.8537

■ 150.9671,

113.8674, 125.3033

186.9633,
144.4605, 158.8407

16.9896, 8.5644,
9.5617

16.9896, 8.5644,
9.5617

16.9892, 8.5642,
9.5595

17.5129, 9.0803,
11.3726

18.2274, 9.9219,
13.4216

19.1996, 11.2207,
15.7360

20.4590, 13.0342,
18.3302

22.0309, 15.4114,
21.2174

■ 23.9375, 18.3953,
24.4093

■ 26.1990, 22.0250,
27.9169

■ 28.8338, 26.3361,
31.7506

■ 31.8592, 31.3616,
35.9200

Harmonies

Analogous

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



15.4843, 8.5644, 23.1842



16.9896, 8.5644, 9.5617



15.6104, 8.5644, 2.6787

Triad

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



16.9896, 8.5644, 9.5617



5.2489, 8.5644, 0.4998



5.1437, 8.5644, 38.0243

Complementary

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



16.9896, 8.5644, 9.5617



14.6517, 27.1015, 11.6709

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.



3.5397, 8.5644, 22.4466



16.9896, 8.5644, 9.5617



3.5869, 8.5644, 2.5057

Square

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



16.9896, 8.5644, 9.5617



8.2224, 8.5644, 0.0000



3.0643, 8.5644, 9.0926



8.0586, 8.5644, 45.4027

Rectangle

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



16.9896, 8.5644, 9.5617



13.4167, 8.5644, 0.9873



3.0643, 8.5644, 9.0926



4.4680, 8.5644, 33.1980

Sweetspot

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



16.9898, 8.5649, 9.5618



47.3000, 39.5651, 50.2898



9.7251, 4.2398, 35.4278



9.9687, 8.0496, 10.4267



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.9898, 8.5649, 9.5618



30.7319, 15.5030, 16.7926



15.3402, 7.9050, 0.8749



7.2216, 7.1451, 8.1534



13.0507, 6.5763, 7.4574



0.2979, 0.1477, 0.2816

Inverse Universe

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



16.9898, 8.5649, 9.5618



30.7319, 15.5030, 16.7926



19.4934, 29.0382, 37.1669



7.2216, 7.1451, 8.1534



13.0507, 6.5763, 7.4574



0.2979, 0.1477, 0.2816

Previews

White Background



This preview shows how the XYZ color 16.9896, 8.5644, 9.5617 looks on a white background.

Color Contrast Check

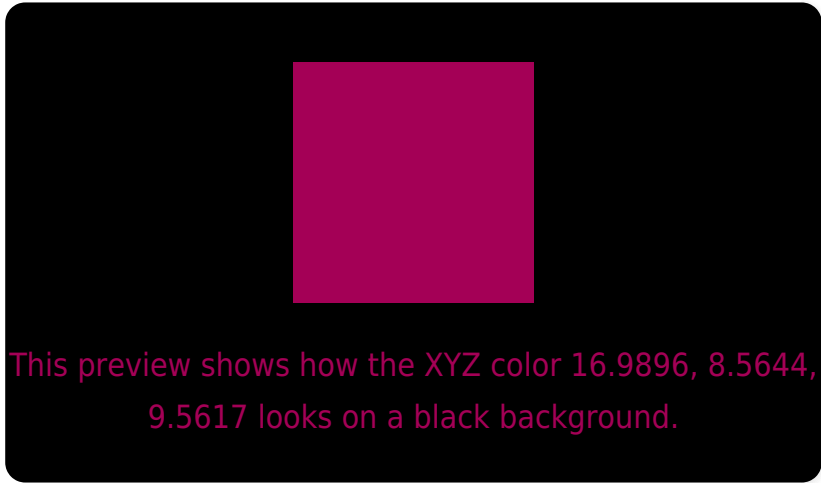
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9896, 8.5644, 9.5617

Background



This preview shows how black text looks on a background with the XYZ color 16.9896, 8.5644, 9.5617.



This preview shows how white text looks on a background with the XYZ color 16.9896, 8.5644,

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

16.9896, 8.5644, 9.5617

Protanopia

9.5561, 9.2124, 20.3433

Deuteranopia

9.3284, 9.2378, 8.6886



Tritanopia

15.5587, 8.8366, 2.3990

Trichromacy



Original Color

16.9896, 8.5644, 9.5617

Protanomaly

10.0314, 6.7362, 15.5233

Deuteranomaly

10.6813, 7.2204, 8.8133

Tritanomaly

15.8298, 8.5122, 4.1769

Monochromacy



Original Color

16.9896, 8.5644, 9.5617

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6971, 4.3573, 6.1183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9896, 8.5644, 9.5617 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(164, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 86)  
}
```

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(164, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 86) }
```

Border

The CSS property to change the border of an element to XYZ 16.9896, 8.5644, 9.5617 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(164, 0, 86) }
```


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

```
.border{ border-color:rgb(164, 0, 86) }
```

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

Here you see how a box with a 4 pixel rgb(164, 0, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(164, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9896, 8.5644, 9.5617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 86) }
```

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

```
.background{ background-color: rgb(164, 0,  
86) }
```

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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