

Converting Colors

XYZ(16.9090, 8.6324, 9.5569)

Have a look what the booklet for
XYZ(16.9090, 8.6324, 9.5569)
contains.

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Color

**XYZ(16.8600, 8.6104,
9.5774)**

Conversions

Conversions Part 1

Format	Color
Hex	A30756
RGB	163, 7, 86
RGB Percent	64%, 3%, 34%
CMY	0.3608, 0.9725, 0.6627
CMYK	0.00, 0.96, 0.47, 0.36
HSL	330°, 92%, 33%
HSV	330°, 96%, 64%
XYZ	16.8600, 8.6104, 9.5774
YIQ	62.6500, 67.6170, 57.6410

Conversions

Conversions Part 2

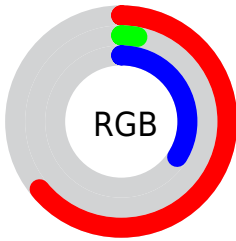
Format	Color
RYB	163, 7, 86
Decimal	10684246
CIELab	35.22, 60.15, -0.63
CIELCh	35, 60.152, 359.400
Yxy	8.6104, 0.4811, 0.2457
Android (android.graphics.Color)	4288874326 (0xFFA30756)
YUV	62.6500, 11.5115, 88.0069
Hunter-Lab	29.3435, 51.2103, 1.1888

Details

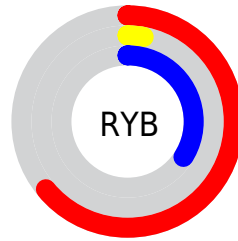
The XYZ color **16.8600, 8.6104, 9.5774** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.7863, 26.8802, 12.8015**, and the grayscale version is **4.6519, 4.8942, 5.3298**.

A 20% lighter version of the original color is **37.7440, 23.2029, 25.7818**, and **6.2259, 3.1634, 2.3803** is the 20% darker color. If you saturate the color by 10%, you get **16.6476, 8.4039, 8.8340**, and if you desaturate by 10%, it is **17.4396, 9.2213, 11.4614**.

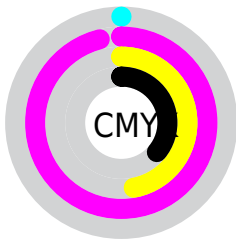
Distribution



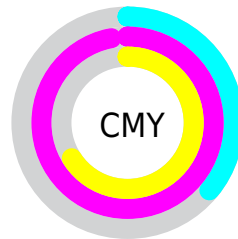
- Red (64%)
- Green (3%)
- Blue (34%)



- Red (64%)
- Yellow (3%)
- Blue (34%)



- Cyan (0%)
- Magenta (96%)
- Yellow (47%)
- Black (36%)




- Cyan (36%)
- Magenta (97%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8600, 8.6104, 9.5774 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 16.8600, 8.6104, 9.5774 by changing the saturation by 10% instead.


 16.8600, 8.6104,
9.5774

 16.8600, 8.6104,
9.5774


227.5363,
180.4443, 198.0027


 10.2294, 4.4879,
5.0178


 37.6304, 23.1467,
25.5928


 5.6148, 1.9501,
2.1988

 52.5010, 34.3293,
37.8856


 2.6507, 0.5782,
0.6737

 70.8489, 48.6340,
53.5933

 0.9719, 0.0000,
0.0000

 93.0395, 66.4454,
73.1343

 0.0000, 0.0000,
0.0000

 119.4382, 88.1477,
96.9272

 150.4103,

114.1253, 125.3905

186.3213,
144.7627, 158.9429

■ 16.8600, 8.6104,
9.5774

■ 16.8600, 8.6104,
9.5774

■ 16.6476, 8.4039,
8.8340

■ 17.4396, 9.2213,
11.4614

■ 18.2534, 10.2401,
13.6092

■ 19.3369, 11.7364,
16.0381

■ 20.7173, 13.7627,
18.7624

■ 22.4182, 16.3647,
21.7950

■ 24.4606, 19.5830,
25.1477

■ 26.8638, 23.4543,
28.8315

■ 29.6455, 28.0127,
32.8569

■ 32.8222, 33.2899,
37.2337

Harmonies

Analogous

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



15.3969, 8.6104, 22.8984



16.8600, 8.6104, 9.5774



15.5040, 8.6104, 2.7652

Triad

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



16.8600, 8.6104, 9.5774



5.3199, 8.6104, 0.5820



5.2294, 8.6104, 37.4194

Complementary

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



16.8600, 8.6104, 9.5774



14.7863, 26.8802, 12.8015

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.



3.6302, 8.6104, 22.2737



16.8600, 8.6104, 9.5774



3.6711, 8.6104, 2.6140

Square

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



16.8600, 8.6104, 9.5774



8.2542, 8.6104, 0.0406



3.1521, 8.6104, 9.1760



8.1140, 8.6104, 44.5383

Rectangle

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



16.8600, 8.6104, 9.5774



13.3543, 8.6104, 1.0555



3.1521, 8.6104, 9.1760



4.5571, 8.6104, 32.7384

Sweetspot

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



16.8602, 8.6109, 9.5775



46.3767, 39.1951, 49.0254



10.2028, 4.6092, 35.0023



10.0278, 8.1788, 10.4124



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.



16.8602, 8.6109, 9.5775



29.7131, 15.0101, 15.2868



15.2332, 7.9601, 1.0099



7.2164, 7.1430, 8.1259



12.9613, 6.5406, 6.9867



0.2962, 0.1470, 0.2723

Inverse Universe

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



16.8602, 8.6109, 9.5775



29.7131, 15.0101, 15.2868



19.5654, 28.7919, 37.9679



7.2164, 7.1430, 8.1259



12.9613, 6.5406, 6.9867



0.2962, 0.1470, 0.2723

Previews

White Background



This preview shows how the XYZ color 16.8600, 8.6104, 9.5774 looks on a white background.

Color Contrast Check

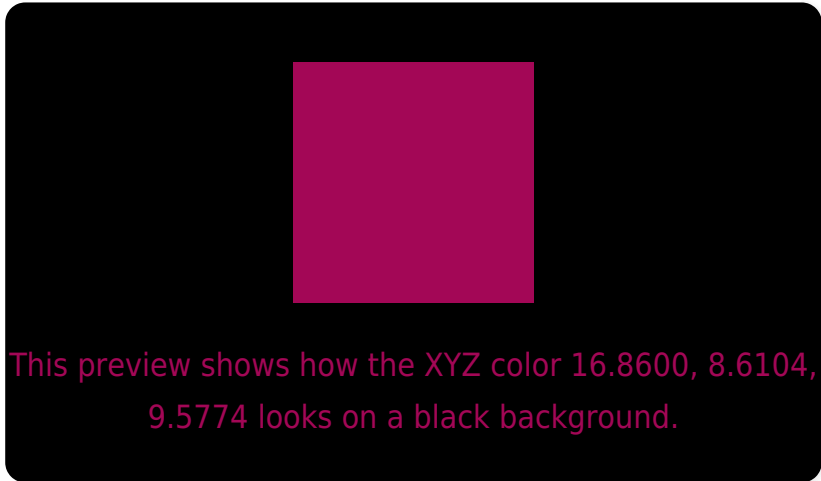
Large Text (above 18pt) WCAG AA ✓ Pass

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

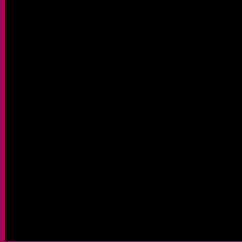
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8600, 8.6104, 9.5774

Background



This preview shows how black text looks on a background with the XYZ color 16.8600, 8.6104, 9.5774.



This preview shows how white text looks on a background with the XYZ color 16.8600, 8.6104,

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

16.8600, 8.6104, 9.5774

Protanopia

9.4809, 9.1736, 20.3398

Deuteranopia

9.2524, 9.0859, 8.6632



Tritanopia

15.4016, 8.7970, 2.4763

Trichromacy



Original Color

16.8600, 8.6104, 9.5774

Protanomaly

10.0543, 6.9574, 15.5648

Deuteranomaly

10.6349, 7.3346, 8.8378

Tritanomaly

15.7114, 8.5387, 4.3101

Monochromacy



Original Color

16.8600, 8.6104, 9.5774

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.1468, 4.8353, 6.5179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8600, 8.6104, 9.5774 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(163, 7, 86)` looks like.

```
.text, #text, p{  
    color:rgb(163, 7, 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(163, 7, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 7, 86) }
```

Border

The CSS property to change the border of an element to XYZ 16.8600, 8.6104, 9.5774 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(163, 7, 86) }
```


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

```
.border{ border-color:rgb(163, 7, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 7, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 7, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 7, 86);  
box-shadow:4px 4px 4px 4px rgb(163, 7, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8600, 8.6104, 9.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 7, 86) }
```

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

```
.background{ background-color: rgb(163, 7,  
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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