

Converting Colors

XYZ(16.5231, 8.3221, 9.6229)

Have a look what the booklet for
XYZ(16.5231, 8.3221, 9.6229)
contains.

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Color

**XYZ(16.5800, 8.3533,
9.5426)**

Conversions

Conversions Part 1

Format	Color
Hex	A20056
RGB	162, 0, 86
RGB Percent	64%, 0%, 34%
CMY	0.3647, 0.9999, 0.6627
CMYK	0.00, 1.00, 0.47, 0.36
HSL	328°, 100%, 32%
HSV	328°, 100%, 64%
XYZ	16.5800, 8.3533, 9.5426
YIQ	58.2420, 68.9460, 61.0900

Conversions

Conversions Part 2

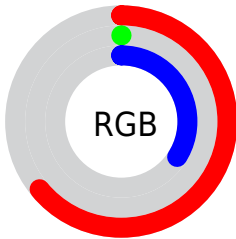
Format	Color
RYB	162, 0, 86
Decimal	10616918
CIELab	34.71, 60.80, -1.41
CIElCh	35, 60.821, 358.671
Yxy	8.3533, 0.4809, 0.2423
Android (android.graphics.Color)	4288806998 (0xFFA20056)
YUV	58.2420, 13.6847, 90.9958
Hunter-Lab	28.9021, 51.8199, 0.6557

Details

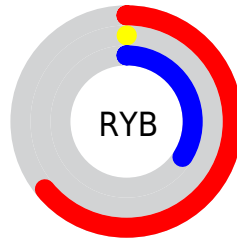
The XYZ color **16.5800, 8.3533, 9.5426** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.2260, 26.3629, 11.1808**, and the grayscale version is **4.0318, 4.2417, 4.6192**.

A 20% lighter version of the original color is **37.2925, 22.7559, 25.7194**, and **6.1092, 3.1032, 2.3748** is the 20% darker color. If you saturate the color by 10%, you get **16.5795, 8.3530, 9.5401**, and if you desaturate by 10%, it is **17.0914, 8.8597, 11.3054**.

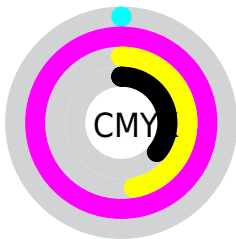
Distribution



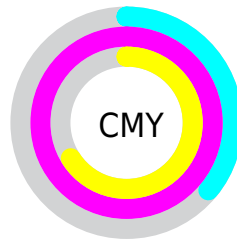
- Red (64%)
- Green (0%)
- Blue (34%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (36%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5800, 8.3533, 9.5426 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 16.5800, 8.3533, 9.5426 by changing the saturation by 10% instead.


 16.5800, 8.3533,
9.5426


 16.5800, 8.3533,
9.5426


225.9440,
178.4774, 197.7403


 10.0289, 4.3218,
4.9951


 37.1516, 22.6482,
25.5258


 5.4806, 1.8552,
2.1857

 51.9028, 33.6804,
37.7986


 2.5695, 0.5212,
0.6661

 70.1182, 47.8150,
53.4836

 0.9304, 0.0000,
0.0000

 92.1630, 65.4364,
72.9993

 0.0000, 0.0000,
0.0000

 118.4026, 86.9289,
96.7643

 149.2025,

112.6770, 125.1971

184.9278,
143.0650, 158.7163

16.5800, 8.3533,
9.5426

16.5800, 8.3533,
9.5426

16.5795, 8.3530,
9.5401

17.0914, 8.8597,
11.3054

17.7872, 9.6810,
13.2952

18.7327, 10.9467,
15.5383

19.9565, 12.7123,
18.0486

21.4830, 15.0254,
20.8387

■ 23.3338, 17.9277,
23.9197

■ 25.5284, 21.4569,
27.3021

■ 28.0846, 25.6477,
30.9957

■ 31.0192, 30.5321,
35.0098

Harmonies

Analogous

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



15.0535, 8.3533, 22.9653



16.5800, 8.3533, 9.5426



15.2902, 8.3533, 2.6896

Triad

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



16.5800, 8.3533, 9.5426



5.1652, 8.3533, 0.4529



4.9679, 8.3533, 36.8534

Complementary

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



16.5800, 8.3533, 9.5426



14.2260, 26.3629, 11.1808

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.



3.4285, 8.3533, 21.5805



16.5800, 8.3533, 9.5426



3.5171, 8.3533, 2.3652

Square

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



16.5800, 8.3533, 9.5426



8.0942, 8.3533, 0.0000



2.9858, 8.3533, 8.6622



7.7869, 8.3533, 44.3298

Rectangle

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



16.5800, 8.3533, 9.5426



13.1701, 8.3533, 0.9909



2.9858, 8.3533, 8.6622



4.3177, 8.3533, 32.0925

Sweetspot

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



16.5802, 8.3538, 9.5427



46.0936, 38.5451, 49.1895



9.4717, 4.1299, 34.4802



9.9792, 8.0538, 10.4818



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.



16.5802, 8.3538, 9.5427



29.9943, 15.1226, 16.7674



14.9302, 7.6938, 0.8539



7.2235, 7.1459, 8.1634



13.0837, 6.5895, 7.6314



0.2986, 0.1479, 0.2849

Inverse Universe

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



16.5802, 8.3538, 9.5427



29.9943, 15.1226, 16.7674



18.9723, 28.2614, 36.1748



7.2235, 7.1459, 8.1634



13.0837, 6.5895, 7.6314



0.2986, 0.1479, 0.2849

Previews

White Background



This preview shows how the XYZ color 16.5800, 8.3533, 9.5426 looks on a white background.

Color Contrast Check

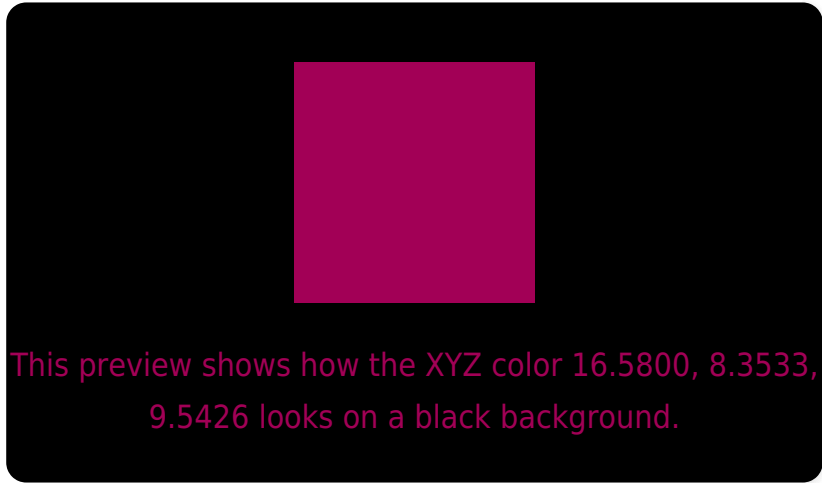
Large Text (above 18pt) WCAG AA ✓ Pass

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

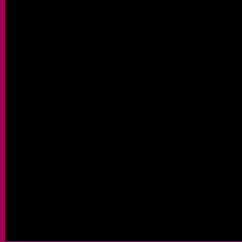
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5800, 8.3533, 9.5426

Background



This preview shows how black text looks on a background with the XYZ color 16.5800, 8.3533, 9.5426.



This preview shows how white text looks on a background with the XYZ color 16.5800, 8.3533,

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

16.5800, 8.3533, 9.5426

Protanopia

9.3299, 8.9813, 20.3106

Deuteranopia

9.1479, 9.0320, 8.6583



Tritanopia

15.1588, 8.6305, 2.3803

Trichromacy



Original Color

16.5800, 8.3533, 9.5426

Protanomaly

9.7965, 6.6151, 15.5124

Deuteranomaly

10.3587, 6.9871, 8.7853

Tritanomaly

15.4267, 8.3044, 4.1580

Monochromacy



Original Color

16.5800, 8.3533, 9.5426

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5288, 4.2273, 5.9407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5800, 8.3533, 9.5426 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(162, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 86) }
```

Border

The CSS property to change the border of an element to XYZ 16.5800, 8.3533, 9.5426 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(162, 0, 86) }
```


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

```
.border{ border-color:rgb(162, 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(162, 0, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(162, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5800, 8.3533, 9.5426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 86) }
```

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

```
.background{ background-color: rgb(162, 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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