

Converting Colors

XYZ(15.8297, 7.8494, 14.7950)

Have a look what the booklet for
XYZ(15.8297, 7.8494, 14.7950)
contains.

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Color

**XYZ(15.8436, 7.8550,
14.8685)**

Conversions

Conversions Part 1

Format	Color
Hex	99006C
RGB	153, 0, 108
RGB Percent	60%, 0%, 42%
CMY	0.4000, 0.9999, 0.5765
CMYK	0.00, 1.00, 0.29, 0.40
HSL	318°, 100%, 30%
HSV	318°, 100%, 60%
XYZ	15.8436, 7.8550, 14.8685
YIQ	58.0590, 56.5200, 66.0240

Conversions

Conversions Part 2

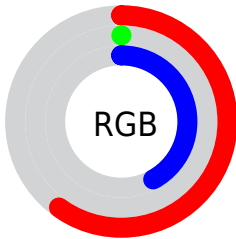
Format	Color
RYB	153, 0, 108
Decimal	10027116
CIELab	33.68, 61.04, -17.34
CIELCh	34, 63.455, 344.144
Yxy	7.8550, 0.4108, 0.2037
Android (android.graphics.Color)	4288217196 (0xFF99006C)
YUV	58.0590, 24.6209, 83.2633
Hunter-Lab	28.0268, 51.8596, -11.8352

Details

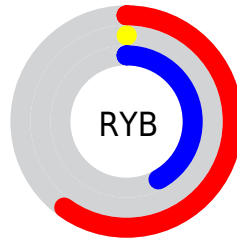
The XYZ color **15.8436, 7.8550, 14.8685** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.8655, 22.9722, 6.2932**, and the grayscale version is **3.9938, 4.2018, 4.5758**.

A 20% lighter version of the original color is **35.8630, 21.6947, 35.5550**, and **5.7454, 2.8676, 4.5257** is the 20% darker color. If you saturate the color by 10%, you get **15.8433, 7.8549, 14.8670**, and if you desaturate by 10%, it is **16.2648, 8.3041, 16.2214**.

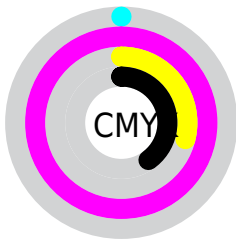
Distribution



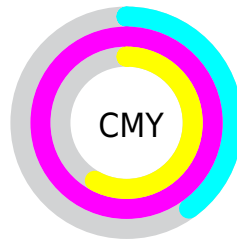
- Red (60%)
- Green (0%)
- Blue (42%)



- Red (60%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8436, 7.8550, 14.8685 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 15.8436, 7.8550, 14.8685 by changing the saturation by 10% instead.


 15.8436, 7.8550,
14.8685


 15.8436, 7.8550,
14.8685


221.7056,
174.5902, 234.1822


 9.5037, 4.0023,
8.5816


 35.8861, 21.6737,
35.3614


 5.1309, 1.6749,
4.3762

 50.3194, 32.4085,
50.4043


 2.3598, 0.4073,
1.8339

 68.1813, 46.2061,
69.2031

 0.8250, 0.0000,
0.4502

 89.8370, 63.4509,
92.1762

 0.0000, 0.0000,
0.0000

 115.6519, 84.5273,
119.7421

 145.9914,

109.8198, 152.3193

181.2209,
139.7126, 190.3265

15.8436, 7.8550,
14.8685

15.8436, 7.8550,
14.8685

15.8433, 7.8549,
14.8670

16.2648, 8.3041,
16.2214

16.8279, 9.0169,
17.6835

17.5928, 10.1128,
19.2757

18.5834, 11.6397,
21.0067

19.8203, 13.6383,
22.8843

■ 21.3218, 16.1447,
24.9154

■ 23.1041, 19.1914,
27.1062

■ 25.1824, 22.8083,
29.4626

■ 27.5705, 27.0229,
31.9899

Harmonies

Analogous

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



13.1082, 7.8550, 30.7297



15.8436, 7.8550, 14.8685



15.9285, 7.8550, 4.6980

Triad

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



15.8436, 7.8550, 14.8685



5.9587, 7.8550, 0.0000



3.6441, 7.8550, 29.7971

Complementary

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



15.8436, 7.8550, 14.8685



11.8655, 22.9722, 6.2932

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.



2.7022, 7.8550, 14.0893



15.8436, 7.8550, 14.8685



3.7318, 7.8550, 0.8762

Square

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



15.8436, 7.8550, 14.8685



9.4302, 7.8550, 0.0000



2.7283, 7.8550, 4.3395



5.7954, 7.8550, 42.9646

Rectangle

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



15.8436, 7.8550, 14.8685



14.4165, 7.8550, 1.7052



2.7283, 7.8550, 4.3395



3.2099, 7.8550, 24.2729

Sweetspot

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



15.8439, 7.8554, 14.8686



41.1689, 34.0109, 48.2984



6.7616, 2.8218, 30.3252



8.8083, 7.0252, 10.3251



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.8439, 7.8554, 14.8686



28.2893, 14.0335, 26.1809



13.4139, 6.8834, 2.0726



6.3837, 6.2927, 7.4009



13.1093, 6.4980, 12.3665



0.2116, 0.1034, 0.2672

Inverse Universe

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



15.8439, 7.8554, 14.8686



28.2893, 14.0335, 26.1809



14.7728, 24.1351, 21.6028



6.3837, 6.2927, 7.4009



13.1093, 6.4980, 12.3665



0.2116, 0.1034, 0.2672

Previews

White Background



This preview shows how the XYZ color 15.8436, 7.8550, 14.8685 looks on a white background.

Color Contrast Check

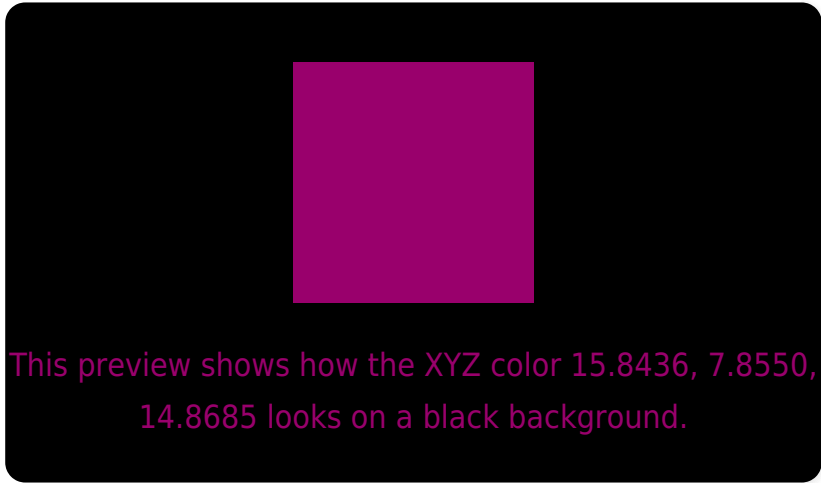
Large Text (above 18pt) WCAG AA ✓ Pass

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

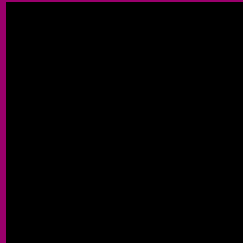
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8436, 7.8550, 14.8685

Background



This preview shows how black text looks on a background with the XYZ color 15.8436, 7.8550, 14.8685.



This preview shows how white text looks on a background with the XYZ color 15.8436, 7.8550,

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

15.8436, 7.8550, 14.8685

Protanopia

9.6977, 8.5840, 31.7176

Deuteranopia

8.6847, 8.5738, 13.5091



Tritanopia

13.7320, 8.3068, 3.3622

Trichromacy



Original Color

15.8436, 7.8550, 14.8685

Protanomaly

9.2665, 6.0128, 24.3391

Deuteranomaly

9.7901, 6.5813, 13.8510

Tritanomaly

14.0130, 7.6853, 6.2137

Monochromacy



Original Color

15.8436, 7.8550, 14.8685

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.4803, 4.1721, 7.3012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8436, 7.8550, 14.8685 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(153, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 108)  
}
```

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(153, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 108) }
```

Border

The CSS property to change the border of an element to XYZ 15.8436, 7.8550, 14.8685 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(153, 0, 108) }
```


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

```
.border{ border-color:rgb(153, 0, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8436, 7.8550, 14.8685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 108) }
```

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

```
.background{ background-color: rgb(153, 0,  
108) }
```

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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