

Converting Colors

XYZ(15.9370, 7.6504, 30.8022)

Have a look what the booklet for
XYZ(15.9370, 7.6504, 30.8022)
contains.

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Color

**XYZ(15.9682, 7.6644,
30.7747)**

Conversions

Conversions Part 1	
Format	Color
Hex	880699
RGB	136, 6, 153
RGB Percent	53%, 2%, 60%
CMY	0.4667, 0.9764, 0.4000
CMYK	0.11, 0.96, 0.00, 0.40
HSL	293°, 92%, 31%
HSV	293°, 96%, 60%
XYZ	15.9682, 7.6644, 30.7747
YIQ	61.6280, 30.2930, 73.2770

Conversions

Conversions Part 2

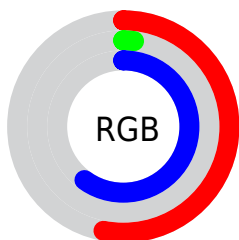
Format	Color
RYB	136, 6, 153
Decimal	8914585
CIELab	33.27, 63.51, -46.30
CIELCh	33, 78.591, 323.907
Yxy	7.6644, 0.2935, 0.1409
Android (android.graphics.Color)	4287104665 (0xFF880699)
YUV	61.6280, 45.0464, 65.2242
Hunter-Lab	27.6847, 54.5087, -46.5284

Details

The XYZ color **15.9682, 7.6644, 30.7747** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.7778, 22.9780, 3.9870**, and the grayscale version is **4.4606, 4.6929, 5.1106**.

A 20% lighter version of the original color is **36.1019, 21.3403, 61.8908**, and **5.7423, 2.6889, 12.5283** is the 20% darker color. If you saturate the color by 10%, you get **15.7908, 7.4762, 30.7478**, and if you desaturate by 10%, it is **16.4670, 8.2315, 30.8580**.

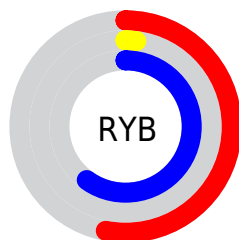
Distribution



Red (53%)

Green (2%)

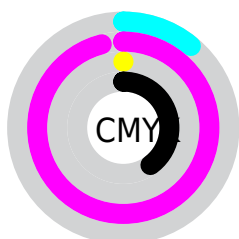
Blue (60%)



Red (53%)

Yellow (2%)

Blue (60%)

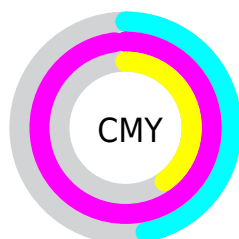


Cyan (11%)

Magenta (96%)

Yellow (0%)

Black (40%)



Cyan (47%)

Magenta (98%)

Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9682, 7.6644, 30.7747 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 15.9682, 7.6644, 30.7747 by changing the saturation by 10% instead.


 15.9682, 7.6644,
30.7747


 15.9682, 7.6644,
30.7747


 222.4281,
173.0755, 319.8180


 9.5924, 3.8810,
20.1703


 36.1009, 21.2979,
61.9606


 5.1897, 1.6072,
12.3336


 50.5884, 31.9167,
83.3792


 2.3949, 0.3624,
6.8460


 68.5106, 45.5827,
109.2396

 0.8426, 0.0000,
3.2890

 90.2327, 62.6804,
139.9604

 0.0000, 0.0000,
1.2440

 116.1202, 83.5942,
175.9601


 0.0000, 0.0000,
0.0152

 146.5383,

 0.0000, 0.0000,

108.7083, 217.6572

0.0000


 181.8525,
138.4073, 265.4704


 15.9682, 7.6644,
30.7747


 15.9682, 7.6644,
30.7747

 15.7908, 7.4762,
30.7478

 16.4670, 8.2315,
30.8580

 17.1372, 9.1345,
30.9970

 18.0110, 10.4378,
31.2025

 19.1108, 12.1860,
31.4819

 20.4561, 14.4178,
31.8418

■ 22.0639, 17.1677,
32.2879

■ 23.9502, 20.4670,
32.8253

■ 26.1291, 24.3445,
33.4589

■ 28.6143, 28.8272,
34.1931

Harmonies

Analogous

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



11.0781, 7.6644, 52.4728



15.9682, 7.6644, 30.7747



18.6476, 7.6644, 11.0527

Triad

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



15.9682, 7.6644, 30.7747



8.1773, 7.6644, 0.0000



2.1107, 7.6644, 21.6895

Complementary

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



15.9682, 7.6644, 30.7747



11.7778, 22.9780, 3.9870

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.



1.8394, 7.6644, 6.1205



15.9682, 7.6644, 30.7747



4.4744, 7.6644, 0.0000

Square

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



15.9682, 7.6644, 30.7747



13.1626, 7.6644, 0.0000



2.5093, 7.6644, 0.7740



3.4839, 7.6644, 44.5361

Rectangle

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



15.9682, 7.6644, 30.7747



18.2917, 7.6644, 3.9246



2.5093, 7.6644, 0.7740



1.9169, 7.6644, 15.2412

Sweetspot

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



15.9685, 7.6647, 30.7749



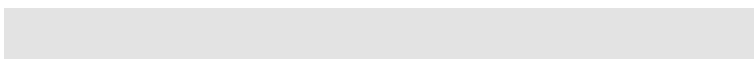
41.6507, 34.4697, 58.4301



6.1346, 2.9578, 30.3847



8.9071, 7.1049, 12.8194



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.



15.9685, 7.6647, 30.7749



28.1785, 13.3370, 55.0611



15.3437, 7.7594, 11.9139



6.3909, 6.2874, 7.8057



13.0687, 6.1882, 25.4133



0.2127, 0.1015, 0.3807

Inverse Universe

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



13.3569, 6.9647, 1.4515



23.6813, 12.1903, 1.9156



12.3458, 23.1730, 8.4311



6.2364, 6.2337, 6.6251



10.9526, 5.6353, 1.0093



0.1704, 0.0869, 0.0501

Previews

White Background



This preview shows how the XYZ color 15.9682, 7.6644, 30.7747 looks on a white background.

Color Contrast Check

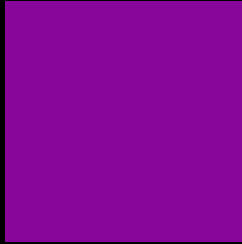
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 15.9682, 7.6644, 30.7747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

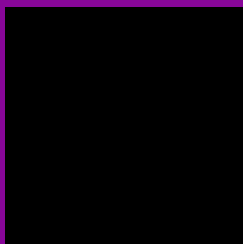
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9682, 7.6644, 30.7747

Background



This preview shows how black text looks on a background with the XYZ color 15.9682, 7.6644, 30.7747.



This preview shows how white text looks on a background with the XYZ color 15.9682, 7.6644,

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

15.9682, 7.6644, 30.7747

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

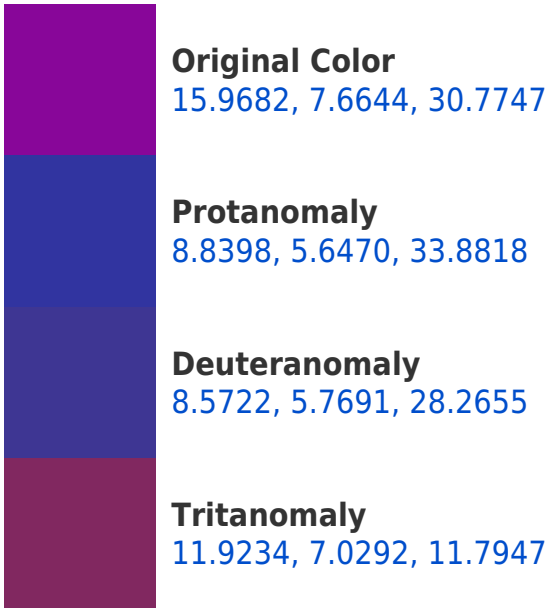
8.3199, 8.1867, 27.5272



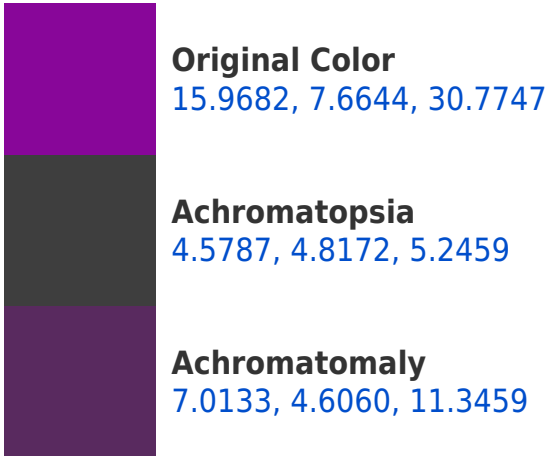
Tritanopia

10.9987, 7.9619, 5.8076

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9682, 7.6644, 30.7747 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(136, 6, 153)` looks like.

```
.text, #text, p{  
    color:rgb(136, 6, 153)  
}
```

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(136, 6, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 6, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.9682, 7.6644, 30.7747 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(136, 6, 153) }
```


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

```
.border{ border-color:rgb(136, 6, 153) }
```

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

Here you see how a box with a 4 pixel rgb(136, 6, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 6, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 6, 153);  
box-shadow:4px 4px 4px 4px rgb(136, 6,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9682, 7.6644, 30.7747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 6, 153) }
```

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

```
.background{ background-color: rgb(136, 6,  
153) }
```

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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