

# Converting Colors

XYZ(15.9354, 11.0712, 22.1592)

Have a look what the booklet for  
XYZ(15.9354, 11.0712, 22.1592)  
contains.

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# Color

**XYZ(15.8886, 11.0780,  
22.0697)**

# Conversions

Conversions Part 1	
Format	Color
Hex	854781
RGB	133, 71, 129
RGB Percent	52%, 28%, 51%
CMY	0.4784, 0.7216, 0.4941
CMYK	0.00, 0.47, 0.03, 0.48
HSL	304°, 30%, 40%
HSV	304°, 47%, 52%
XYZ	15.8886, 11.0780, 22.0697
YIQ	96.1500, 18.3340, 31.1820

# Conversions

## Conversions Part 2

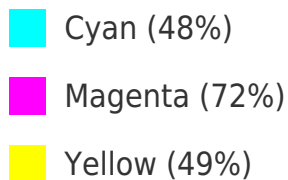
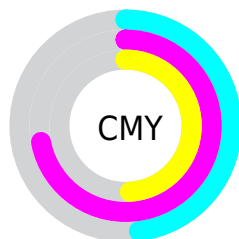
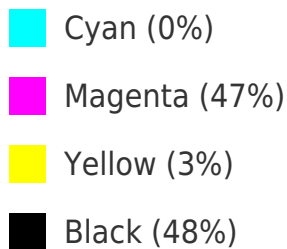
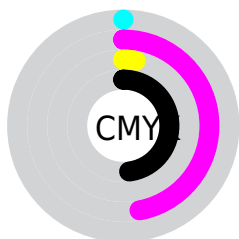
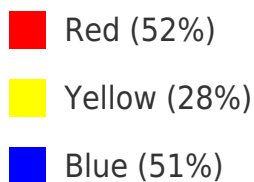
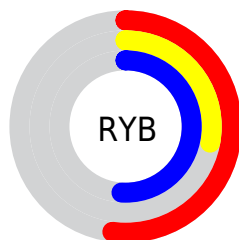
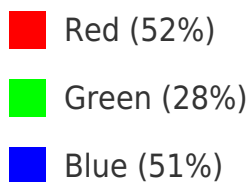
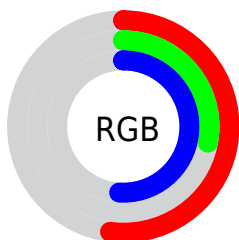
Format	Color
<a href="#">RYB</a>	<a href="#">133, 71, 129</a>
Decimal	<a href="#">8734593</a>
CIELab	<a href="#">39.71, 35.30, -21.43</a>
CIELCh	<a href="#">40, 41.294, 328.740</a>
Yxy	<a href="#">11.0780, 0.3240, 0.2259</a>
Android (android.graphics.Color)	<a href="#">4286924673</a> (0xFF854781)
YUV	<a href="#">96.1500, 16.1951, 32.3175</a>
Hunter-Lab	<a href="#">33.2836, 26.9642, -16.0155</a>

# Details

The XYZ color **15.8886, 11.0780, 22.0697** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **12.2566, 18.6232, 9.6060**, and the grayscale version is **11.1137, 11.6925, 12.7332**.

A 20% lighter version of the original color is **35.8965, 27.8613, 47.7418**, and **5.0915, 2.8877, 7.6862** is the 20% darker color. If you saturate the color by 10%, you get **15.0768, 9.5451, 21.5189**, and if you desaturate by 10%, it is **16.8868, 12.9824, 22.6852**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8886, 11.0780, 22.0697 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 15.8886, 11.0780, 22.0697 by changing the saturation by 10% instead.




 15.8886, 11.0780,  
22.0697


 15.8886, 11.0780,  
22.0697

221.9668,  
198.2019, 275.8754


 9.5357, 6.1193,  
13.7093


 35.9637, 27.8043,  
47.7648


 5.1521, 2.9178,  
7.7823


 50.4166, 40.3407,  
65.9367


 2.3725, 1.0890,  
3.8702


 68.3003, 56.1719,  
88.2161

 0.8314, 0.0000,  
1.5544

 89.9800, 75.6821,  
115.0216

 0.0000, 0.0000,  
0.2580


 115.8212, 99.2558,  
146.7717


 0.0000, 0.0000,  
0.0000

146.1891,


127.2774, 183.8850


181.4492,  
160.1313, 226.7801


 15.8886, 11.0780,  
22.0697

 15.8886, 11.0780,  
22.0697


 15.0768, 9.5451,  
21.5189


 16.8868, 12.9824,  
22.6852


 14.4381, 8.3579,  
21.0280


 18.0813, 15.2790,  
23.3684


 13.9592, 7.4894,  
20.5928

 19.4828, 17.9888,  
24.1230


 13.6242, 6.9081,  
20.2079


 21.1008, 21.1309,  
24.9522


 13.4050, 6.5576,  
19.8639


 22.9443, 24.7230,  
25.8589

 13.3377, 6.4525,  
19.7503

 25.0217, 28.7822,  
26.8459

 27.3409, 33.3243,  
27.9160

 29.9096, 38.3646,  
29.0716

 32.7351, 43.9176,  
30.3152

# Harmonies

## Analogous

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



13.3630, 11.0780, 31.4900



15.8886, 11.0780, 22.0697



16.9470, 11.0780, 12.4075

# Triad

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



15.8886, 11.0780, 22.0697



10.6492, 11.0780, 2.2362



6.4486, 11.0780, 21.1949

# Complementary

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



15.8886, 11.0780, 22.0697



12.2566, 18.6232, 9.6060

# 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.



5.9788, 11.0780, 11.7231



15.8886, 11.0780, 22.0697



8.1275, 11.0780, 2.9174

# Square

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



15.8886, 11.0780, 22.0697



13.6071, 11.0780, 3.0523



6.5351, 11.0780, 5.6563



7.9546, 11.0780, 30.8457



# Rectangle

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



15.8886, 11.0780, 22.0697



16.5564, 11.0780, 7.7227



6.5351, 11.0780, 5.6563



6.1775, 11.0780, 17.7820

# Sweetspot

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



15.8890, 11.0785, 22.0699



35.5196, 33.4362, 43.5276



9.3191, 7.6603, 23.1782



7.8870, 7.3094, 9.7463



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052



# Same Dimension

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



15.8890, 11.0785, 22.0699



26.9145, 16.9346, 38.4742



14.1740, 10.3925, 13.0388



4.8453, 4.7578, 5.7975



12.7053, 6.1464, 18.8180



0.0450, 0.0217, 0.0703



# Inverse Universe

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



15.8890, 11.0785, 22.0699



26.9145, 16.9346, 38.4742



13.5415, 19.1371, 16.3722



4.8453, 4.7578, 5.7975



12.7053, 6.1464, 18.8180

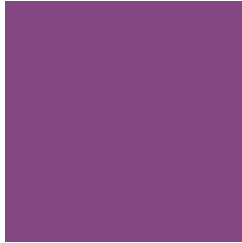


0.0450, 0.0217, 0.0703



# Previews

## White Background



This preview shows how the XYZ color 15.8886, 11.0780, 22.0697 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 × Fail



# Black Background



This preview shows how the XYZ color 15.8886, 11.0780, 22.0697 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

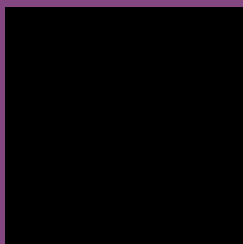
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 15.8886, 11.0780, 22.0697**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.8886, 11.0780, 22.0697.



This preview shows how white text looks on a background with the XYZ color 15.8886, 11.0780,



# 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

15.8886, 11.0780, 22.0697

### Protanopia

11.8395, 11.1855, 28.7291

### Deuteranopia

11.4538, 11.2878, 20.9771



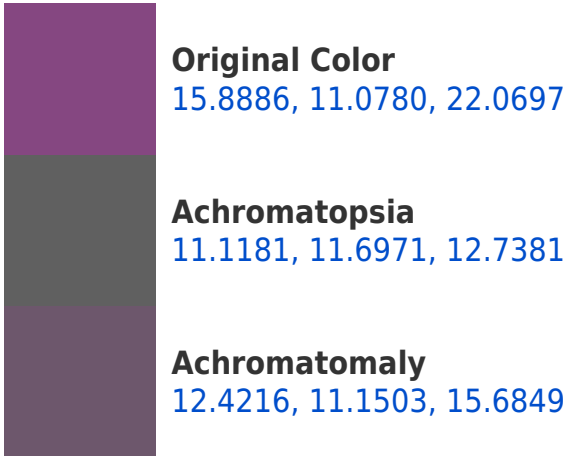
## Tritanopia

13.5648, 11.1622, 10.4564

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.8886, 11.0780, 22.0697 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(133, 71, 129) looks like.

```
.text, #text, p{  
    color:rgb(133, 71, 129)  
}
```

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(133, 71, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 71, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 15.8886, 11.0780, 22.0697 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(133, 71, 129) }
```



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

```
.border{ border-color:rgb(133, 71, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 71, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 71, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 71, 129);  
box-shadow:4px 4px 4px 4px rgb(133, 71,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.8886, 11.0780, 22.0697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 71, 129) }
```

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

```
.background{ background-color: rgb(133, 71,  
129) }
```

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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