

# Converting Colors

XYZ(13.7529, 6.8912, 9.6221)

Have a look what the booklet for  
XYZ(13.7529, 6.8912, 9.6221)  
contains.

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# Color

**XYZ(13.7529, 6.8912,  
9.6221)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	930057
RGB	147, 0, 87
RGB Percent	58%, 0%, 34%
CMY	0.4235, 0.9999, 0.6588
CMYK	0.00, 1.00, 0.41, 0.42
HSL	324°, 100%, 29%
HSV	324°, 100%, 58%
XYZ	13.7529, 6.8912, 9.6221
YIQ	53.8710, 59.6850, 58.2210

# Conversions

## Conversions Part 2

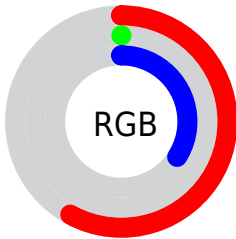
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 0, 87
Decimal	9633879
CIELab	31.56, 57.50, -7.09
CIELCh	32, 57.940, 352.974
Yxy	6.8912, 0.4544, 0.2277
Android (android.graphics.Color)	4287823959 (0xFF930057)
YUV	53.8710, 16.3326, 81.6741
Hunter-Lab	26.2511, 47.5764, -3.3564

# Details

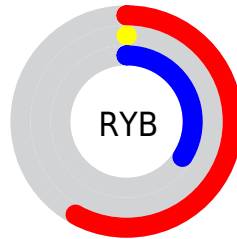
The XYZ color **13.7529, 6.8912, 9.6221** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.2501, 21.1939, 7.7757**, and the grayscale version is **3.4672, 3.6478, 3.9724**.

A 20% lighter version of the original color is **32.1410, 19.6828, 25.7721**, and **4.6344, 2.3408, 2.3981** is the 20% darker color. If you saturate the color by 10%, you get **13.7525, 6.8910, 9.6203**, and if you desaturate by 10%, it is **14.1753, 7.3272, 11.0233**.

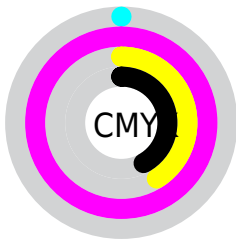
# Distribution



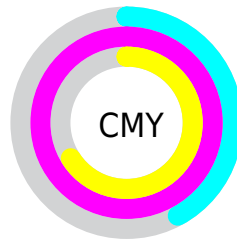
- Red (58%)
- Green (0%)
- Blue (34%)



- Red (58%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (42%)




- Cyan (42%)
- Magenta (100%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7529, 6.8912, 9.6221 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 13.7529, 6.8912, 9.6221 by changing the saturation by 10% instead.





 13.7529, 6.8912,  
9.6221


 13.7529, 6.8912,  
9.6221


209.2297,  
166.7566, 198.3391


 8.0296, 3.3941,  
5.0468


 32.2399, 19.7540,  
25.6788


 4.1658, 1.3408,  
2.2155

 45.7342, 29.8885,  
37.9974


 1.7964, 0.1725,  
0.6833

 62.5496, 43.0044,  
53.7341

 0.5155, 0.0000,  
0.0000


 83.0514, 59.4859,  
73.3075


 0.0000, 0.0000,  
0.0000

 107.6049, 79.7174,  
97.1362


 136.5756,


104.0835, 125.6386


 170.3287,  
132.9684, 159.2334

 13.7529, 6.8912,  
9.6221


 13.7529, 6.8912,  
9.6221


 13.7525, 6.8910,  
9.6203

 14.1753, 7.3272,  
11.0233

 14.7345, 8.0034,  
12.5731

 15.4877, 9.0334,  
14.2926

 16.4568, 10.4604,  
16.1916

 17.6606, 12.3213,  
18.2784

■ 19.1159, 14.6490,  
20.5606

■ 20.8378, 17.4729,  
23.0453

■ 22.8401, 20.8202,  
25.7391

■ 25.1357, 24.7160,  
28.6481

# Harmonies

## Analogous

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



12.0596, 6.8912, 21.7353



13.7529, 6.8912, 9.6221



13.1093, 6.8912, 2.8500

# Triad

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



13.7529, 6.8912, 9.6221



4.6125, 6.8912, 0.0745



3.7424, 6.8912, 28.7126

# Complementary

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



13.7529, 6.8912, 9.6221



11.2501, 21.1939, 7.7757

# 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.



2.6517, 6.8912, 15.5811



13.7529, 6.8912, 9.6221



3.0412, 6.8912, 1.4227

# Square

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



13.7529, 6.8912, 9.6221



7.2530, 6.8912, 0.0000



2.4394, 6.8912, 5.7210



5.8937, 6.8912, 36.9489



# Rectangle

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



13.7529, 6.8912, 9.6221



11.5118, 6.8912, 1.0449



2.4394, 6.8912, 5.7210



3.2687, 6.8912, 24.4067

# Sweetspot

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



13.7531, 6.8916, 9.6222



37.1085, 30.9452, 40.9792



7.0592, 3.0311, 27.8166



8.1908, 6.6022, 8.9575



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



13.7531, 6.8916, 9.6222



24.5395, 12.3051, 16.7571



12.1170, 6.2372, 1.0068



5.9361, 5.8695, 6.7697



11.9352, 5.9792, 8.4059



0.1607, 0.0790, 0.1801



# Inverse Universe

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



13.7531, 6.8916, 9.6222



24.5395, 12.3051, 16.7571



14.6195, 22.5417, 25.5187



5.9361, 5.8695, 6.7697



11.9352, 5.9792, 8.4059



0.1607, 0.0790, 0.1801



# Previews

## White Background



This preview shows how the XYZ color 13.7529, 6.8912, 9.6221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

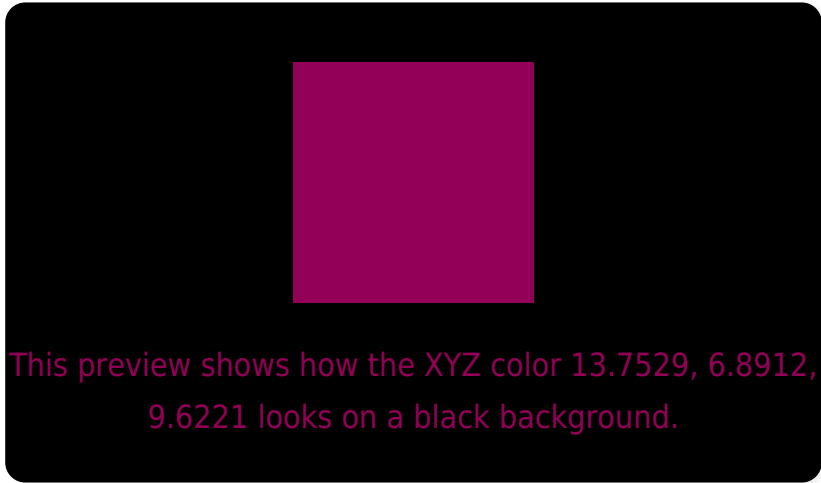
Any Text WCAG AA ✓ Pass

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 13.7529, 6.8912, 9.6221**

## **Background**



This preview shows how black text looks on a background with the XYZ color 13.7529, 6.8912, 9.6221.



This preview shows how white text looks on a background with the XYZ color 13.7529, 6.8912, 9.6221.



# 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

13.7529, 6.8912, 9.6221

### Protanopia

8.0897, 7.5794, 20.4386

### Deuteranopia

7.6574, 7.5111, 8.8308



## Tritanopia

12.3770, 7.1947, 2.3265

# Trichromacy



## Original Color

13.7529, 6.8912, 9.6221

## Protanomaly

8.2406, 5.4857, 15.6635

## Deuteranomaly

8.6817, 5.8642, 8.8579

## Tritanomaly

12.6298, 6.8599, 4.1485

# Monochromacy



## Original Color

13.7529, 6.8912, 9.6221

## Achromatopsia

3.5063, 3.6889, 4.0173

## Achromatomaly

5.5799, 3.6121, 5.5574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 13.7529, 6.8912, 9.6221 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(147, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(147, 0, 87)  
}
```

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(147, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 0, 87) }
```

## Border

The CSS property to change the border of an element to XYZ 13.7529, 6.8912, 9.6221 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(147, 0, 87) }
```



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

```
.border{ border-color:rgb(147, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(147, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(147, 0, 87)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 13.7529, 6.8912, 9.6221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 0, 87) }
```

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

```
.background{ background-color: rgb(147, 0,  
87) }
```

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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