

Converting Colors

XYZ(11.9225, 6.3797, 15.5905)

Have a look what the booklet for
XYZ(11.9225, 6.3797, 15.5905)
contains.

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Color

**XYZ(11.9910, 6.3985,
15.6420)**

Conversions

Conversions Part 1

Format	Color
Hex	7F1A6F
RGB	127, 26, 111
RGB Percent	50%, 10%, 44%
CMY	0.5020, 0.8980, 0.5647
CMYK	0.00, 0.80, 0.13, 0.50
HSL	310°, 66%, 30%
HSV	310°, 80%, 50%
XYZ	11.9910, 6.3985, 15.6420
YIQ	65.8890, 32.9110, 47.8470

Conversions

Conversions Part 2

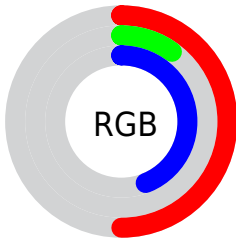
Format	Color
R_{YB}	127, 26, 111
Decimal	8329839
CIE _{Lab}	30.40, 50.79, -24.75
CIE _{LCh}	30, 56.497, 334.015
Yxy	6.3985, 0.3524, 0.1880
Android (android.graphics.Color)	4286519919 (0xFF7F1A6F)
YUV	65.8890, 22.2397, 53.5943
Hunter-Lab	25.2953, 40.3497, -18.9569

Details

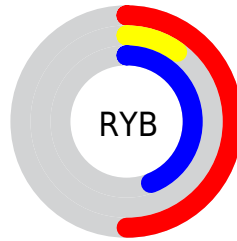
The XYZ color **11.9910, 6.3985, 15.6420** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.4336, 15.5657, 4.7510**, and the grayscale version is **5.1247, 5.3916, 5.8715**.

A 20% lighter version of the original color is **29.1566, 18.7462, 36.7320**, and **3.7212, 1.8147, 4.8568** is the 20% darker color. If you saturate the color by 10%, you get **11.6600, 5.9117, 14.9912**, and if you desaturate by 10%, it is **12.4497, 7.1364, 16.3477**.

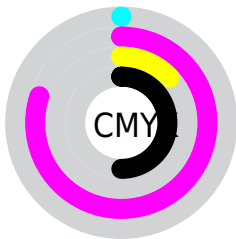
Distribution



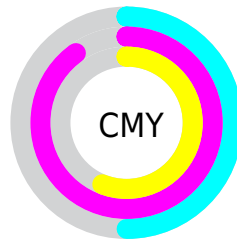
- Red (50%)
- Green (10%)
- Blue (44%)



- Red (50%)
- Yellow (10%)
- Blue (44%)



- Cyan (0%)
- Magenta (80%)
- Yellow (13%)
- Black (50%)





- Cyan (50%)
- Magenta (90%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9910, 6.3985, 15.6420 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 11.9910, 6.3985, 15.6420 by changing the saturation by 10% instead.


 11.9910, 6.3985,
15.6420


 11.9910, 6.3985,
15.6420


198.1168,
162.5678, 238.9930


 6.8097, 3.0889,
9.1196


 29.0957, 18.7525,
36.7337


 3.3886, 1.1783,
4.7214

 41.7498, 28.5657,
52.1400

 1.3625, 0.0439,
2.0289

 57.6256, 41.3155,
71.3447

 0.2292, 0.0000,
0.5729

 77.0884, 57.3863,
94.7664

 0.0000, 0.0000,
0.0000

 100.5036, 77.1625,
122.8235

 128.2365,

101.0286, 155.9346

160.6524,
129.3689, 194.5183

11.9910, 6.3985,
15.6420

11.9910, 6.3985,
15.6420

11.6600, 5.9117,
14.9912

12.4497, 7.1364,
16.3477

11.4116, 5.5862,
14.3802

13.0500, 8.1537,
17.1130

11.4000, 5.5711,
14.3514

13.8049, 9.4760,
17.9423

14.7255, 11.1258,
18.8394

15.8220, 13.1233,
19.8077

■ 17.1038, 15.4873,
20.8505

■ 18.5796, 18.2350,
21.9707

■ 20.2574, 21.3827,
23.1712

■ 22.1450, 24.9458,
24.4545

Harmonies

Analogous

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



9.4446, 6.3985, 27.7631



11.9910, 6.3985, 15.6420



12.8083, 6.3985, 5.9835

Triad

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



11.9910, 6.3985, 15.6420



5.7278, 6.3985, 0.0000



2.7316, 6.3985, 18.9169

Complementary

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



11.9910, 6.3985, 15.6420



8.4336, 15.5657, 4.7510

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.



2.2528, 6.3985, 8.0525



11.9910, 6.3985, 15.6420



3.6299, 6.3985, 0.3900

Square

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



11.9910, 6.3985, 15.6420



8.6309, 6.3985, 0.1134



2.5254, 6.3985, 2.2943



4.0913, 6.3985, 30.4431

Rectangle

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



11.9910, 6.3985, 15.6420



12.1091, 6.3985, 2.5206



2.5254, 6.3985, 2.2943



2.4839, 6.3985, 14.8667

Sweetspot

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



11.9912, 6.3988, 15.6421



29.4275, 25.5128, 36.3785



5.1210, 2.7460, 20.3389



6.7307, 5.6804, 8.3862



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.9912, 6.3988, 15.6421



20.5566, 10.1772, 26.0039



9.9738, 5.5919, 5.0187



4.4698, 4.4011, 5.2785



11.4968, 5.6184, 14.4716



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9912, 6.3988, 15.6421



20.5566, 10.1772, 26.0039



9.9322, 16.1651, 12.6424



4.4698, 4.4011, 5.2785



11.4968, 5.6184, 14.4716



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.9910, 6.3985, 15.6420 looks on a white background.

Color Contrast Check

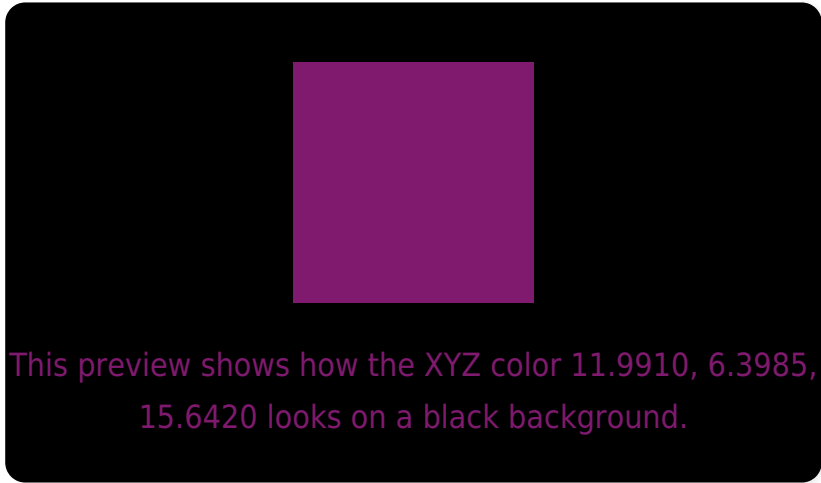
Large Text (above 18pt) WCAG AA ✓ Pass

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

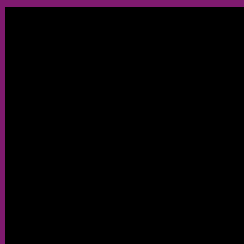
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9910, 6.3985, 15.6420

Background



This preview shows how black text looks on a background with the XYZ color 11.9910, 6.3985, 15.6420.



This preview shows how white text looks on a background with the XYZ color 11.9910, 6.3985,

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

11.9910, 6.3985, 15.6420

Protanopia

7.8440, 6.7620, 29.3255

Deuteranopia

6.7916, 6.6468, 14.2896



Tritanopia

9.6033, 6.5095, 3.9991

Trichromacy



Original Color

11.9910, 6.3985, 15.6420

Protanomaly

7.2607, 5.2659, 23.5554

Deuteranomaly

7.7663, 5.7252, 14.6057

Tritanomaly

10.1639, 6.2779, 6.9794

Monochromacy



Original Color

11.9910, 6.3985, 15.6420

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.7313, 5.0516, 8.6029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9910, 6.3985, 15.6420 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(127, 26, 111)` looks like.

```
.text, #text, p{  
    color:rgb(127, 26, 111)  
}
```

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(127, 26, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 26, 111) }
```

Border

The CSS property to change the border of an element to XYZ 11.9910, 6.3985, 15.6420 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(127, 26, 111) }
```


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

```
.border{ border-color:rgb(127, 26, 111) }
```

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

Here you see how a box with a 4 pixel rgb(127, 26, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 26, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 26, 111);  
box-shadow:4px 4px 4px 4px rgb(127, 26,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9910, 6.3985, 15.6420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 26, 111) }
```

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

```
.background{ background-color: rgb(127, 26,  
111) }
```

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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