

Converting Colors

XYZ(11.8997, 5.8700, 12.5080)

Have a look what the booklet for
XYZ(11.8997, 5.8700, 12.5080)
contains.

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Color

**XYZ(11.9731, 5.9066,
12.5656)**

Conversions

Conversions Part 1

Format	Color
Hex	850064
RGB	133, 0, 100
RGB Percent	52%, 0%, 39%
CMY	0.4784, 1.0000, 0.6078
CMYK	0.00, 1.00, 0.25, 0.48
HSL	315°, 100%, 26%
HSV	315°, 100%, 52%
XYZ	11.9731, 5.9066, 12.5656
YIQ	51.1670, 47.1680, 59.2960

Conversions

Conversions Part 2

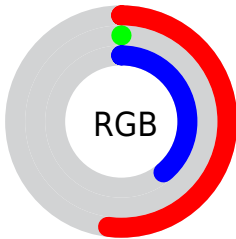
Format	Color
R_{YB}	133, 0, 100
Decimal	8716388
CIE _{Lab}	29.18, 55.92, -19.48
CIE _{LCh}	29, 59.220, 340.791
Yxy	5.9066, 0.3933, 0.1940
Android (android.graphics.Color)	4286906468 (0xFF850064)
YUV	51.1670, 24.0747, 71.7675
Hunter-Lab	24.3035, 45.4068, -13.6422

Details

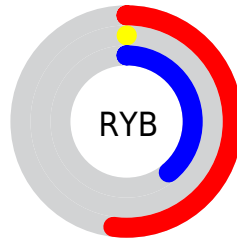
The XYZ color **11.9731, 5.9066, 12.5656** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **8.6624, 16.8851, 4.2423**, and the grayscale version is **3.1358, 3.2991, 3.5927**.

A 20% lighter version of the original color is **29.1385, 17.8162, 31.1813**, and **3.7845, 1.8767, 3.5309** is the 20% darker color. If you saturate the color by 10%, you get **11.9730, 5.9066, 12.5650**, and if you desaturate by 10%, it is **12.2841, 6.2678, 13.4735**.

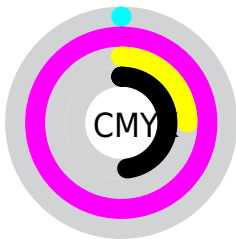
Distribution



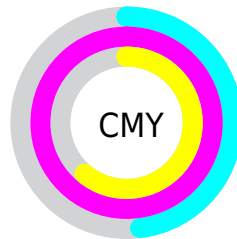
- Red (52%)
- Green (0%)
- Blue (39%)



- Red (52%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9731, 5.9066, 12.5656 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 11.9731, 5.9066, 12.5656 by changing the saturation by 10% instead.

■ 11.9731, 5.9066,
12.5656

■ 11.9731, 5.9066,
12.5656

198.0007,
158.2417, 219.2237

■ 6.7974, 2.7884,
7.0029

■ 29.0634, 17.7370,
31.2008

■ 3.3809, 1.0223,
3.3854

■ 41.7087, 27.2180,
45.1104

■ 1.3583, 0.0000,
1.2947

■ 57.5746, 39.5887,
62.6393

■ 0.2262, 0.0000,
0.0574

■ 77.0265, 55.2335,
84.2062

■ 0.0000, 0.0000,
0.0000

■ 100.4297, 74.5368,
110.2296

■ 128.1496, 97.8830,

141.1279

160.5514,
125.6565, 177.3198

11.9731, 5.9066,
12.5656

11.9731, 5.9066,
12.5656

11.9730, 5.9066,
12.5650

12.2841, 6.2678,
13.4735

12.6889, 6.8059,
14.4449

13.2378, 7.6218,
15.4971

13.9477, 8.7489,
16.6358

14.8328, 10.2157,
17.8664

■ 15.9059, 12.0476,
19.1934

■ 17.1786, 14.2675,
20.6209

■ 18.6614, 16.8964,
22.1529

■ 20.3641, 19.9539,
23.7928

Harmonies

Analogous

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



9.6692, 5.9066, 25.1569



11.9731, 5.9066, 12.5656



12.2984, 5.9066, 4.0571

Triad

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



11.9731, 5.9066, 12.5656



4.7086, 5.9066, 0.0000



2.5605, 5.9066, 21.5633

Complementary

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



11.9731, 5.9066, 12.5656



8.6624, 16.8851, 4.2423

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.



1.9360, 5.9066, 9.5874



11.9731, 5.9066, 12.5656



2.8886, 5.9066, 0.3823

Square

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



11.9731, 5.9066, 12.5656



7.4735, 5.9066, 0.0000



2.0333, 5.9066, 2.7116



4.0918, 5.9066, 32.6102

Rectangle

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



11.9731, 5.9066, 12.5656



11.2638, 5.9066, 1.4654



2.0333, 5.9066, 2.7116



2.2634, 5.9066, 17.2427

Sweetspot

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



11.9733, 5.9069, 12.5657



30.5941, 25.2525, 36.7454



4.8001, 1.9857, 22.3207



6.7017, 5.3547, 8.0689



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.



11.9733, 5.9069, 12.5657



21.3765, 10.5516, 22.1603



9.9835, 5.1110, 2.0877



4.8098, 4.7436, 5.6109



11.4078, 5.6275, 11.9856



0.0424, 0.0207, 0.0568

Inverse Universe

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



11.9733, 5.9069, 12.5657



21.3765, 10.5516, 22.1603



10.5705, 17.6483, 14.2902



4.8098, 4.7436, 5.6109



11.4078, 5.6275, 11.9856



0.0424, 0.0207, 0.0568

Previews

White Background



This preview shows how the XYZ color 11.9731, 5.9066, 12.5656 looks on a white background.

Color Contrast Check

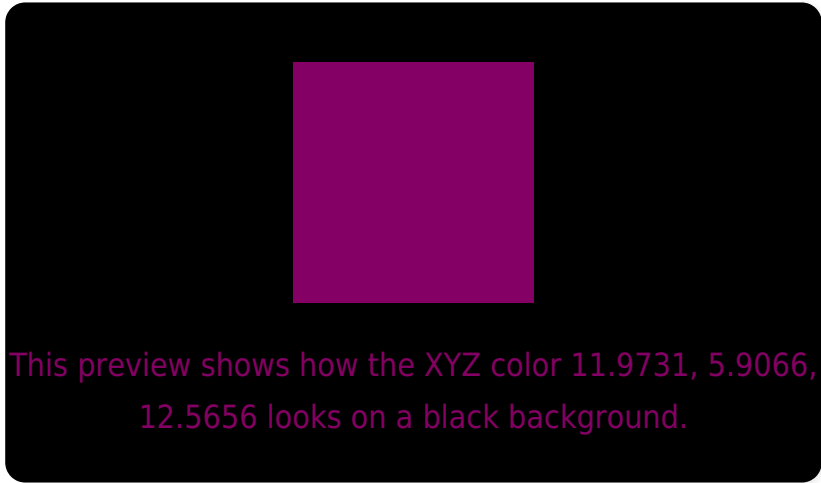
Large Text (above 18pt) WCAG AA ✓ Pass

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

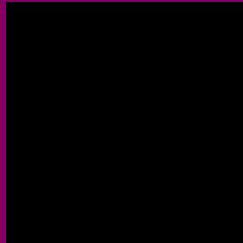
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9731, 5.9066, 12.5656

Background



This preview shows how black text looks on a background with the XYZ color 11.9731, 5.9066, 12.5656.



This preview shows how white text looks on a background with the XYZ color 11.9731, 5.9066,

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

11.9731, 5.9066, 12.5656

Protanopia

7.5246, 6.5663, 26.4620

Deuteranopia

6.6575, 6.5436, 11.5018



Tritanopia

10.1790, 6.2783, 2.7732

Trichromacy



Original Color

11.9731, 5.9066, 12.5656

Protanomaly

7.0159, 4.5673, 20.5905

Deuteranomaly

7.4633, 4.9966, 11.6374

Tritanomaly

10.4231, 5.7889, 5.1254

Monochromacy



Original Color

11.9731, 5.9066, 12.5656

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9840, 3.2120, 5.9875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9731, 5.9066, 12.5656 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, 0, 100)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 100)  
}
```

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, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 100) }
```

Border

The CSS property to change the border of an element to XYZ 11.9731, 5.9066, 12.5656 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, 0, 100) }
```


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

```
.border{ border-color:rgb(133, 0, 100) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9731, 5.9066, 12.5656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 100) }
```

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

```
.background{ background-color: rgb(133, 0,  
100) }
```

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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