

Converting Colors

XYZ(13.3150, 6.6153, 11.8848)

Have a look what the booklet for
XYZ(13.3150, 6.6153, 11.8848)
contains.

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Color

**XYZ(13.3130, 6.6139,
11.8842)**

Conversions

Conversions Part 1

Format	Color
Hex	8E0061
RGB	142, 0, 97
RGB Percent	56%, 0%, 38%
CMY	0.4431, 0.9999, 0.6196
CMYK	0.00, 1.00, 0.32, 0.44
HSL	319°, 100%, 28%
HSV	319°, 100%, 56%
XYZ	13.3130, 6.6139, 11.8842
YIQ	53.5160, 53.4950, 60.2710

Conversions

Conversions Part 2

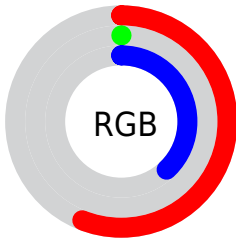
Format	Color
R_YB	142, 0, 97
Decimal	9306209
CIE Lab	30.91, 57.46, -14.70
CIE LCh	31, 59.313, 345.652
Yxy	6.6139, 0.4185, 0.2079
Android (android.graphics.Color)	4287496289 (0xFF8E0061)
YUV	53.5160, 21.4376, 77.6005
Hunter-Lab	25.7175, 47.3972, -9.3960

Details

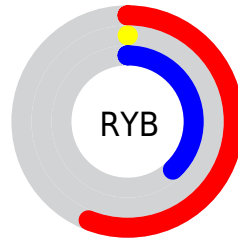
The XYZ color **13.3130, 6.6139, 11.8842** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.1473, 19.5357, 5.7205**, and the grayscale version is **3.4181, 3.5961, 3.9162**.

A 20% lighter version of the original color is **31.6135, 19.3150, 30.0789**, and **4.4135, 2.2087, 3.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.3127, 6.6137, 11.8827**, and if you desaturate by 10%, it is **13.6889, 7.0202, 13.0745**.

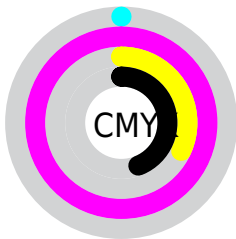
Distribution



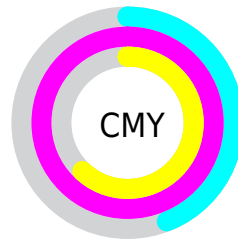
- Red (56%)
- Green (0%)
- Blue (38%)



- Red (56%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (44%)



- Cyan (44%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3130, 6.6139, 11.8842 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 13.3130, 6.6139, 11.8842 by changing the saturation by 10% instead.

■ 13.3130, 6.6139,
11.8842

■ 13.3130, 6.6139,
11.8842

206.5113,
164.4158, 214.5878

■ 7.7229, 3.2218,
6.5433

■ 31.4615, 19.1922,
29.9453

■ 3.9685, 1.2486,
3.1041

■ 44.7507, 29.1471,
43.5025

■ 1.6843, 0.1009,
1.1480

■ 61.3369, 42.0586,
60.6356

■ 0.4464, 0.0000,
0.0000


■ 81.5855, 58.3108,
81.7631


■ 0.0000, 0.0000,
0.0000


■ 105.8619, 78.2882,
107.3035


■ 134.5314,


102.3753, 137.6754

 167.9595,
130.9564, 173.2973

 13.3130, 6.6139,
11.8842


 13.3130, 6.6139,
11.8842


 13.3127, 6.6137,
11.8827

 13.6889, 7.0202,
13.0745

 14.1822, 7.6419,
14.3636

 14.8473, 8.5877,
15.7706

 15.7042, 9.8970,
17.3030

 16.7699, 11.6037,
18.9675

■ 18.0594, 13.7377,
20.7698

■ 19.5865, 16.3259,
22.7154

■ 21.3637, 19.3933,
24.8093

■ 23.4026, 22.9627,
27.0562

Harmonies

Analogous

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



11.1301, 6.6139, 24.9228



13.3130, 6.6139, 11.8842



13.2593, 6.6139, 3.7170

Triad

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



13.3130, 6.6139, 11.8842



4.9088, 6.6139, 0.0000



3.1581, 6.6139, 25.5107

Complementary

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



13.3130, 6.6139, 11.8842



10.1473, 19.5357, 5.7205

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.



2.3224, 6.6139, 12.3772



13.3130, 6.6139, 11.8842



3.1022, 6.6139, 0.8274

Square

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



13.3130, 6.6139, 11.8842



7.7593, 6.6139, 0.0000



2.3057, 6.6139, 3.9456



5.0127, 6.6139, 36.0374

Rectangle

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



13.3130, 6.6139, 11.8842



11.9380, 6.6139, 1.3518



2.3057, 6.6139, 3.9456



2.7775, 6.6139, 20.9450

Sweetspot

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



13.3132, 6.6143, 11.8843



34.3547, 28.4738, 39.8304



5.9640, 2.5108, 25.7615



7.4424, 5.9665, 8.6082



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.3132, 6.6143, 11.8843



23.3994, 11.6322, 20.5514



11.3425, 5.8260, 1.5069



5.5545, 5.4823, 6.4180



11.9614, 5.9416, 10.7140



0.1244, 0.0608, 0.1552

Inverse Universe

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



13.3132, 6.6143, 11.8843



23.3994, 11.6322, 20.5514



12.8239, 20.6064, 19.8154



5.5545, 5.4823, 6.4180



11.9614, 5.9416, 10.7140



0.1244, 0.0608, 0.1552

Previews

White Background



This preview shows how the XYZ color 13.3130, 6.6139, 11.8842 looks on a white background.

Color Contrast Check

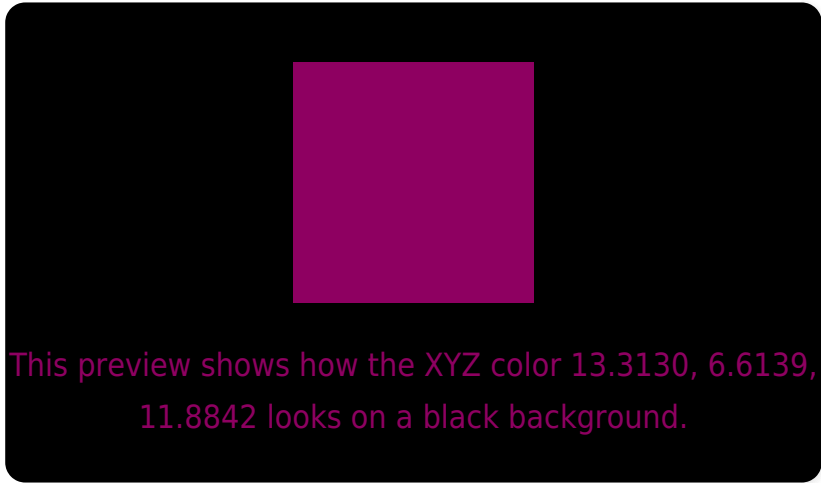
Large Text (above 18pt) WCAG AA ✓ Pass

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

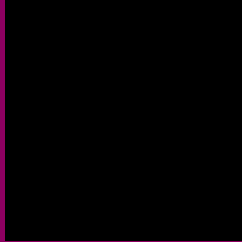
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3130, 6.6139, 11.8842

Background



This preview shows how black text looks on a background with the XYZ color 13.3130, 6.6139, 11.8842.



This preview shows how white text looks on a background with the XYZ color 13.3130, 6.6139,

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

13.3130, 6.6139, 11.8842

Protanopia

8.0749, 7.2680, 25.0220

Deuteranopia

7.2747, 7.1722, 10.6738



Tritanopia

11.5573, 6.9427, 2.7384

Trichromacy



Original Color

13.3130, 6.6139, 11.8842

Protanomaly

7.8999, 5.1686, 19.3202

Deuteranomaly

8.2478, 5.5327, 10.9891

Tritanomaly

11.8164, 6.4792, 5.0427

Monochromacy



Original Color

13.3130, 6.6139, 11.8842

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.5153, 3.5647, 6.1917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3130, 6.6139, 11.8842 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(142, 0, 97)` looks like.

```
.text, #text, p{  
    color:rgb(142, 0, 97)  
}
```

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(142, 0, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 0, 97) }
```

Border

The CSS property to change the border of an element to XYZ 13.3130, 6.6139, 11.8842 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(142, 0, 97) }
```


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

```
.border{ border-color:rgb(142, 0, 97) }
```

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

Here you see how a box with a 4 pixel rgb(142, 0, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(142, 0, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3130, 6.6139, 11.8842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 0, 97) }
```

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

```
.background{ background-color: rgb(142, 0,  
97) }
```

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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