

Converting Colors

XYZ(12.2778, 6.2167, 5.6700)

Have a look what the booklet for
XYZ(12.2778, 6.2167, 5.6700)
contains.

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Color

**XYZ(12.3111, 6.2330,
5.7085)**

Conversions

Conversions Part 1

Format	Color
Hex	8F0042
RGB	143, 0, 66
RGB Percent	56%, 0%, 26%
CMY	0.4392, 0.9999, 0.7412
CMYK	0.00, 1.00, 0.54, 0.44
HSL	332°, 100%, 28%
HSV	332°, 100%, 56%
XYZ	12.3111, 6.2330, 5.7085
YIQ	50.2810, 64.0420, 50.8420

Conversions

Conversions Part 2

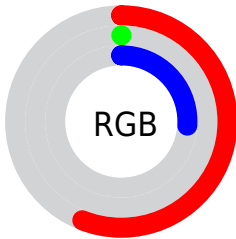
Format	Color
R_{YB}	143, 0, 66
Decimal	9371714
CIE _{Lab}	29.99, 54.74, 4.44
CIE _{LCh}	30, 54.917, 4.641
Yxy	6.2330, 0.5076, 0.2570
Android (android.graphics.Color)	4287561794 (0xFF8F0042)
YUV	50.2810, 7.7495, 81.3146
Hunter-Lab	24.9660, 44.3306, 3.9195

Details

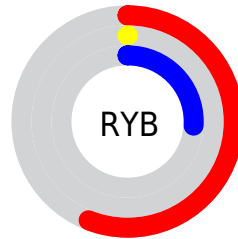
The XYZ color **12.3111, 6.2330, 5.7085** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.1629, 20.1811, 10.3314**, and the grayscale version is **3.0511, 3.2100, 3.4957**.

A 20% lighter version of the original color is **29.7117, 18.4062, 17.9064**, and **4.0026, 2.0444, 1.0478** is the 20% darker color. If you saturate the color by 10%, you get **12.3108, 6.2329, 5.7070**, and if you desaturate by 10%, it is **12.7150, 6.6527, 7.0399**.

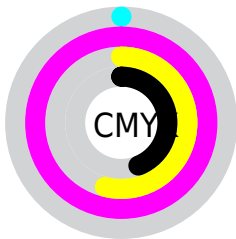
Distribution



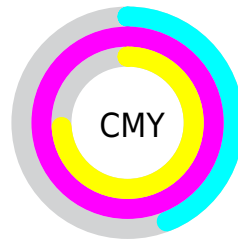
- Red (56%)
- Green (0%)
- Blue (26%)



- Red (56%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (44%)





- Cyan (44%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3111, 6.2330, 5.7085 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 12.3111, 6.2330, 5.7085 by changing the saturation by 10% instead.


 12.3111, 6.2330,
5.7085


 12.3111, 6.2330,
5.7085


200.1822,
161.1292, 165.6553


 7.0296, 2.9873,
2.6027


 29.6724, 18.4127,
17.7899


 3.5271, 1.1251,
0.8939

 42.4830, 28.1154,
27.6026


 1.4383, 0.0000,
0.0000

 58.5339, 40.7393,
40.4881

 0.2832, 0.0000,
0.0000

 78.1907, 56.6686,
56.8648

 0.0000, 0.0000,
0.0000

 101.8185, 76.2879,
77.1514

 129.7828, 99.9815,

101.7663

162.4489,
128.1338, 131.1281

12.3111, 6.2330,
5.7085

12.3111, 6.2330,
5.7085

12.3108, 6.2329,
5.7070

12.7150, 6.6527,
7.0399

13.2581, 7.2999,
8.5741

13.9961, 8.2844,
10.3353

14.9501, 9.6469,
12.3355

16.1384, 11.4220,
14.5857

■ 17.5771, 13.6406,
17.0959

■ 19.2807, 16.3304,
19.8755

■ 21.2627, 19.5169,
22.9334

■ 23.5358, 23.2239,
26.2780

Harmonies

Analogous

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



11.5798, 6.2330, 14.7938



12.3111, 6.2330, 5.7085



10.9681, 6.2330, 1.5129

Triad

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



12.3111, 6.2330, 5.7085



3.5432, 6.2330, 0.4565



4.0560, 6.2330, 29.1652

Complementary

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



12.3111, 6.2330, 5.7085



11.1629, 20.1811, 10.3314

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.



2.7267, 6.2330, 18.3709



12.3111, 6.2330, 5.7085



2.4961, 6.2330, 2.3619

Square

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



12.3111, 6.2330, 5.7085



5.5348, 6.2330, 0.0000



2.2473, 6.2330, 7.9927



6.3317, 6.2330, 32.7736

Rectangle

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



12.3111, 6.2330, 5.7085



9.2545, 6.2330, 0.4841



2.2473, 6.2330, 7.9927



3.5075, 6.2330, 26.0034

Sweetspot

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



12.3113, 6.2334, 5.7086



34.3166, 28.9073, 35.2572



7.9605, 3.5313, 26.2486



7.5947, 6.1929, 7.6432



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.3113, 6.2334, 5.7086



21.9620, 11.1282, 9.7741



11.3797, 5.9435, 0.5479



5.5059, 5.4629, 6.1621



10.8955, 5.5152, 5.1009



0.1151, 0.0571, 0.1063

Inverse Universe

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



12.3113, 6.2334, 5.7086



21.9620, 11.1282, 9.7741



14.0802, 20.2274, 29.1488



5.5059, 5.4629, 6.1621



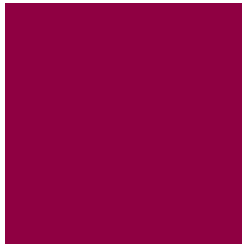
10.8955, 5.5152, 5.1009



0.1151, 0.0571, 0.1063

Previews

White Background



This preview shows how the XYZ color 12.3111, 6.2330, 5.7085 looks on a white background.

Color Contrast Check

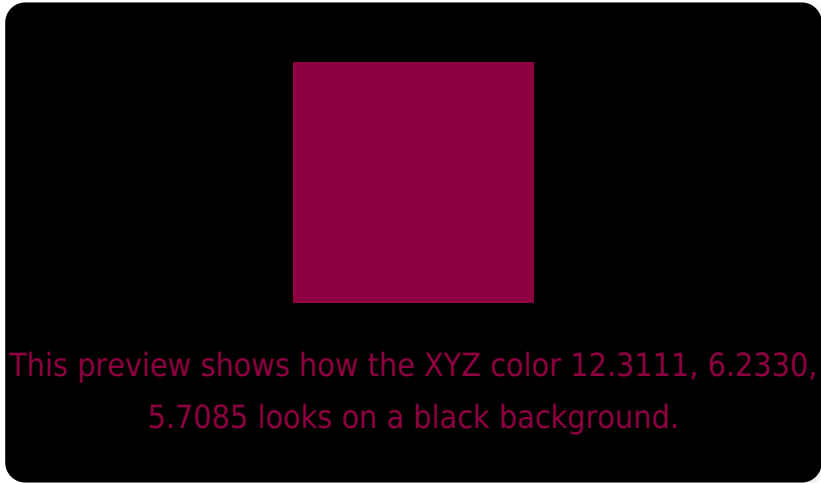
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3111, 6.2330, 5.7085

Background



This preview shows how black text looks on a background with the XYZ color 12.3111, 6.2330, 5.7085.



This preview shows how white text looks on a background with the XYZ color 12.3111, 6.2330,

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

12.3111, 6.2330, 5.7085

Protanopia

6.8778, 6.8386, 12.0238

Deuteranopia

6.9066, 6.8112, 5.2256



Tritanopia

11.5404, 6.4761, 1.6190

Trichromacy



Original Color

12.3111, 6.2330, 5.7085

Protanomaly

7.3360, 5.0428, 9.1810

Deuteranomaly

7.8713, 5.3504, 5.1753

Tritanomaly

11.7560, 6.3118, 2.6965

Monochromacy



Original Color

12.3111, 6.2330, 5.7085

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8865, 3.2034, 4.1021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3111, 6.2330, 5.7085 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(143, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 66)  
}
```

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(143, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 12.3111, 6.2330, 5.7085 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(143, 0, 66) }
```


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

```
.border{ border-color:rgb(143, 0, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 0, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(143, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3111, 6.2330, 5.7085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 66) }
```

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

```
.background{ background-color: rgb(143, 0,  
66) }
```

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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