

Converting Colors

XYZ(11.8129, 6.3316, 4.4539)

Have a look what the booklet for
XYZ(11.8129, 6.3316, 4.4539)
contains.

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Color

**XYZ(11.7700, 6.3035,
4.4672)**

Conversions

Conversions Part 1

Format	Color
Hex	8C1239
RGB	140, 18, 57
RGB Percent	55%, 7%, 22%
CMY	0.4510, 0.9294, 0.7765
CMYK	0.00, 0.87, 0.59, 0.45
HSL	341°, 77%, 31%
HSV	341°, 87%, 55%
XYZ	11.7700, 6.3035, 4.4672
YIQ	58.9240, 60.1930, 37.9930

Conversions

Conversions Part 2

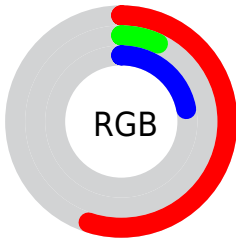
Format	Color
R_{YB}	140, 18, 57
Decimal	9179705
CIE Lab	30.17, 50.23, 10.62
CIE LCh	30, 51.340, 11.934
Yxy	6.3035, 0.5222, 0.2796
Android (android.graphics.Color)	4287369785 (0xFF8C1239)
YUV	58.9240, -0.9485, 71.1037
Hunter-Lab	25.1068, 39.7436, 7.0254

Details

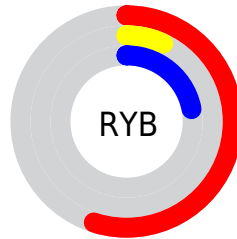
The XYZ color **11.7700, 6.3035, 4.4672** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.9773, 19.8246, 15.5107**, and the grayscale version is **4.1431, 4.3589, 4.7468**.

A 20% lighter version of the original color is **28.7763, 18.5904, 15.1683**, and **3.6535, 1.8735, 0.6210** is the 20% darker color. If you saturate the color by 10%, you get **11.3814, 5.8716, 3.2732**, and if you desaturate by 10%, it is **12.3309, 7.0088, 5.9388**.

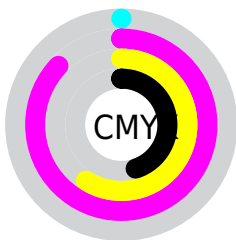
Distribution



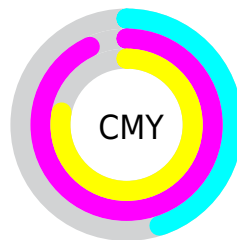
- Red (55%)
- Green (7%)
- Blue (22%)



- Red (55%)
- Yellow (7%)
- Blue (22%)



- Cyan (0%)
- Magenta (87%)
- Yellow (59%)
- Black (45%)




- Cyan (45%)
- Magenta (93%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.7700, 6.3035, 4.4672 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 11.7700, 6.3035, 4.4672 by changing the saturation by 10% instead.


 11.7700, 6.3035,
4.4672


 11.7700, 6.3035,
4.4672


196.6778,
161.7441, 153.2848

 6.6583, 3.0305,
1.8850


 28.6960, 18.5577,
15.0737


 3.2938, 1.1477,
0.4832

 41.2411, 28.3076,
23.9350


 1.3110, 0.0183,
0.0000

 56.9947, 40.9853,
35.7265

 0.1914, 0.0000,
0.0000

 76.3221, 56.9751,
50.8667

 0.0000, 0.0000,
0.0000

 99.5888, 76.6616,
69.7740

 127.1601,

100.4289, 92.8671

159.4013,
128.6616, 120.5645

11.7700, 6.3035,
4.4672

11.7700, 6.3035,
4.4672

11.3814, 5.8716,
3.2732

12.3309, 7.0088,
5.9388

11.2838, 5.7629,
2.9743

13.0989, 8.0530,
7.7108

14.0944, 9.4737,
9.8007

15.3351, 11.3029,
12.2244

16.8367, 13.5694,
14.9964

■ 18.6139, 16.2993,
18.1306

■ 20.6800, 19.5165,
21.6398

■ 23.0474, 23.2435,
25.5364

■ 25.7280, 27.5011,
29.8321

Harmonies

Analogous

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



11.5697, 6.3035, 11.8608



11.7700, 6.3035, 4.4672



10.1455, 6.3035, 1.2641

Triad

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



11.7700, 6.3035, 4.4672



3.3959, 6.3035, 0.9660



4.6652, 6.3035, 28.8145

Complementary

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



11.7700, 6.3035, 4.4672



11.9773, 19.8246, 15.5107

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.



3.1613, 6.3035, 20.1139



11.7700, 6.3035, 4.4672



2.5756, 6.3035, 3.5137

Square

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



11.7700, 6.3035, 4.4672



5.0826, 6.3035, 0.1244



2.5031, 6.3035, 9.9922



7.0023, 6.3035, 29.7821

Rectangle

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



11.7700, 6.3035, 4.4672



8.4487, 6.3035, 0.4689



2.5031, 6.3035, 9.9922



4.0636, 6.3035, 26.5180

Sweetspot

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



11.7702, 6.3039, 4.4673



33.0162, 29.0442, 32.3086



10.1327, 4.9982, 25.2414



7.3742, 6.3316, 7.0394



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.



11.7702, 6.3039, 4.4673



19.8280, 10.1339, 4.8956



11.6286, 7.0275, 1.3164



5.0945, 5.0732, 5.5859



10.0345, 5.1239, 2.6863



0.0728, 0.0365, 0.0500

Inverse Universe

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



11.7702, 6.3039, 4.4673



19.8280, 10.1339, 4.8956



11.6600, 15.3755, 27.1639



5.0945, 5.0732, 5.5859



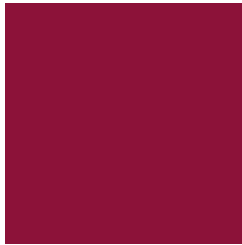
10.0345, 5.1239, 2.6863



0.0728, 0.0365, 0.0500

Previews

White Background



This preview shows how the XYZ color 11.7700, 6.3035, 4.4672 looks on a white background.

Color Contrast Check

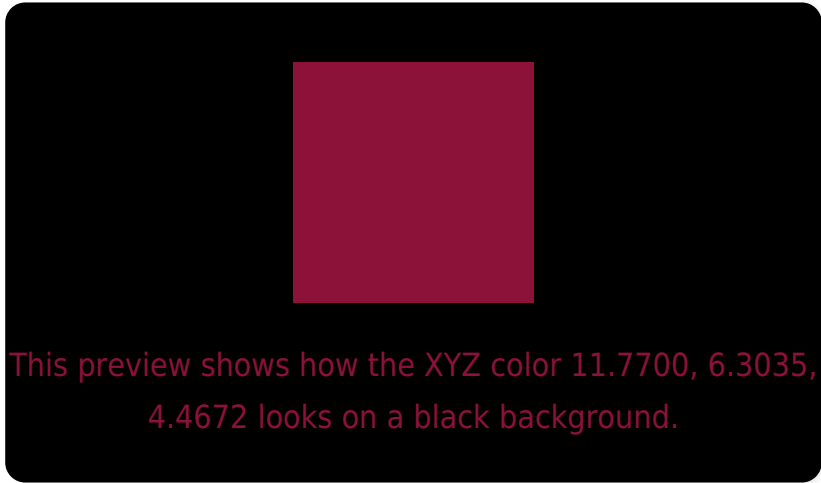
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7700, 6.3035, 4.4672

Background



This preview shows how black text looks on a background with the XYZ color 11.7700, 6.3035, 4.4672.



This preview shows how white text looks on a background with the XYZ color 11.7700, 6.3035,

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

11.7700, 6.3035, 4.4672

Protanopia

6.5402, 6.7369, 8.7402

Deuteranopia

6.7182, 6.6456, 4.0606



Tritanopia

11.2372, 6.3520, 1.6707

Trichromacy



Original Color

11.7700, 6.3035, 4.4672

Protanomaly

7.3726, 5.5555, 6.8146

Deuteranomaly

7.7703, 5.6889, 4.0567

Tritanomaly

11.3239, 6.2822, 2.4495

Monochromacy



Original Color

11.7700, 6.3035, 4.4672

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.6889, 4.1816, 4.5103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7700, 6.3035, 4.4672 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(140, 18, 57)` looks like.

```
.text, #text, p{  
    color:rgb(140, 18, 57)  
}
```

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(140, 18, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 18, 57) }
```

Border

The CSS property to change the border of an element to XYZ 11.7700, 6.3035, 4.4672 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(140, 18, 57) }
```


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

```
.border{ border-color:rgb(140, 18, 57) }
```

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

Here you see how a box with a 4 pixel rgb(140, 18, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 18, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 18, 57);  
box-shadow:4px 4px 4px 4px rgb(140, 18,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7700, 6.3035, 4.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 18, 57) }
```

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

```
.background{ background-color: rgb(140, 18,  
57) }
```

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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