

Converting Colors

XYZ(11.9770, 6.8742, 8.2198)

Have a look what the booklet for
XYZ(11.9770, 6.8742, 8.2198)
contains.

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Color

**XYZ(12.0117, 6.8741,
8.2832)**

Conversions

Conversions Part 1

Format	Color
Hex	872250
RGB	135, 34, 80
RGB Percent	53%, 13%, 31%
CMY	0.4706, 0.8666, 0.6863
CMYK	0.00, 0.75, 0.41, 0.47
HSL	333°, 60%, 33%
HSV	333°, 75%, 53%
XYZ	12.0117, 6.8741, 8.2832
YIQ	69.4430, 45.4300, 35.7180

Conversions

Conversions Part 2

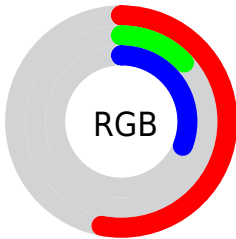
Format	Color
R_{YB}	135, 34, 80
Decimal	8856144
CIE Lab	31.52, 46.09, -2.82
CIE LCh	32, 46.179, 356.505
Yxy	6.8741, 0.4421, 0.2530
Android (android.graphics.Color)	4287046224 (0xFF872250)
YUV	69.4430, 5.2046, 57.4935
Hunter-Lab	26.2185, 35.8953, -0.3785

Details

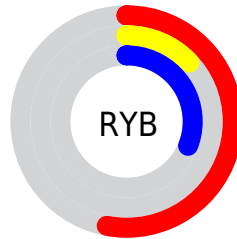
The XYZ color **12.0117, 6.8741, 8.2832** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.1273, 18.3896, 12.4154**, and the grayscale version is **5.7161, 6.0138, 6.5490**.

A 20% lighter version of the original color is **29.1904, 19.7709, 23.0465**, and **3.6267, 1.8328, 1.8317** is the 20% darker color. If you saturate the color by 10%, you get **11.4419, 6.1456, 6.8256**, and if you desaturate by 10%, it is **12.7633, 7.9185, 9.9482**.

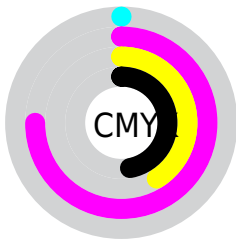
Distribution



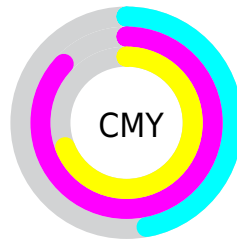
- Red (53%)
- Green (13%)
- Blue (31%)



- Red (53%)
- Yellow (13%)
- Blue (31%)



- Cyan (0%)
- Magenta (75%)
- Yellow (41%)
- Black (47%)



- Cyan (47%)
- Magenta (87%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0117, 6.8741, 8.2832 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 12.0117, 6.8741, 8.2832 by changing the saturation by 10% instead.


 12.0117, 6.8741,
8.2832


 12.0117, 6.8741,
8.2832


198.2511,
166.6134, 187.9535


 6.8239, 3.3835,
4.1863


 29.1331, 19.7195,
23.0671


 3.3976, 1.3351,
1.7281

 41.7974, 29.8430,
34.5911


 1.3673, 0.1681,
0.3799

 57.6846, 42.9464,
49.4280

 0.2328, 0.0000,
0.0000

 77.1600, 59.4139,
67.9962

 0.0000, 0.0000,
0.0000

 100.5890, 79.6299,
90.7144

 128.3369,

103.9789, 118.0009

160.7692,
132.8453, 150.2744

■ 12.0117, 6.8741,
8.2832

■ 12.0117, 6.8741,
8.2832

■ 11.4419, 6.1456,
6.8256

■ 12.7633, 7.9185,
9.9482

■ 11.0305, 5.6881,
5.5628

■ 13.7129, 9.3098,
11.8303

■ 10.8471, 5.4931,
4.9718

■ 14.8754, 11.0767,
13.9389

■ 16.2642, 13.2442,
16.2825

■ 17.8914, 15.8355,
18.8692

■ 19.7682, 18.8717,
21.7065

■ 21.9052, 22.3728,
24.8016

■ 24.3123, 26.3573,
28.1614

■ 26.9987, 30.8428,
31.7926

Harmonies

Analogous

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



10.9552, 6.8741, 16.8673



12.0117, 6.8741, 8.2832



11.3399, 6.8741, 3.1382

Triad

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



12.0117, 6.8741, 8.2832



4.7533, 6.8741, 0.9101



4.3857, 6.8741, 23.7774

Complementary

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



12.0117, 6.8741, 8.2832



11.1273, 18.3896, 12.4154

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.



3.3231, 6.8741, 14.6726



12.0117, 6.8741, 8.2832



3.4978, 6.8741, 2.4475

Square

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



12.0117, 6.8741, 8.2832



6.8068, 6.8741, 0.5767



3.0408, 6.8741, 6.7393



6.2679, 6.8741, 28.5574

Rectangle

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



12.0117, 6.8741, 8.2832



10.0718, 6.8741, 1.5459



3.0408, 6.8741, 6.7393



3.9395, 6.8741, 20.9316

Sweetspot

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



12.0119, 6.8745, 8.2833



32.7786, 29.5464, 34.9285



8.9575, 4.9620, 23.4074



7.4206, 6.5683, 7.8265



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.0119, 6.8745, 8.2833



19.9363, 10.3772, 10.5612



10.9537, 6.6128, 2.2129



4.7542, 4.7214, 5.3180



10.0089, 5.0679, 4.6193



0.0383, 0.0190, 0.0350

Inverse Universe

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



12.0119, 6.8745, 8.2833



19.9363, 10.3772, 10.5612



13.2348, 18.4928, 25.7937



4.7542, 4.7214, 5.3180



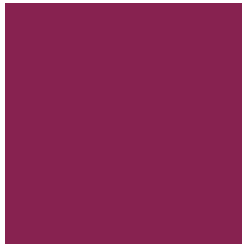
10.0089, 5.0679, 4.6193



0.0383, 0.0190, 0.0350

Previews

White Background



This preview shows how the XYZ color 12.0117, 6.8741, 8.2832 looks on a white background.

Color Contrast Check

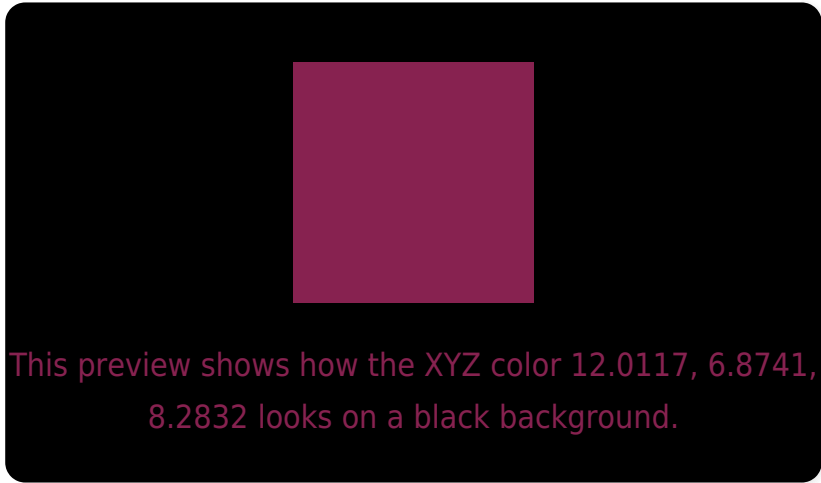
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0117, 6.8741, 8.2832

Background



This preview shows how black text looks on a background with the XYZ color 12.0117, 6.8741, 8.2832.



This preview shows how white text looks on a background with the XYZ color 12.0117, 6.8741,

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

12.0117, 6.8741, 8.2832

Protanopia

7.2971, 7.0964, 14.6208

Deuteranopia

7.2198, 7.1121, 7.6489



Tritanopia

11.0299, 6.9116, 3.3375

Trichromacy



Original Color

12.0117, 6.8741, 8.2832

Protanomaly

8.0360, 6.2151, 12.0854

Deuteranomaly

8.3830, 6.4885, 7.8318

Tritanomaly

11.3540, 6.8914, 4.7347

Monochromacy



Original Color

12.0117, 6.8741, 8.2832

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

7.1310, 5.6365, 7.0154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0117, 6.8741, 8.2832 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(135, 34, 80)` looks like.

```
.text, #text, p{  
    color:rgb(135, 34, 80)  
}
```

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(135, 34, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 34, 80) }
```

Border

The CSS property to change the border of an element to XYZ 12.0117, 6.8741, 8.2832 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(135, 34, 80) }
```


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

```
.border{ border-color:rgb(135, 34, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 34, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 34, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 34, 80);  
box-shadow:4px 4px 4px 4px rgb(135, 34,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0117, 6.8741, 8.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 34, 80) }
```

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

```
.background{ background-color: rgb(135, 34,  
80) }
```

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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