

Converting Colors

XYZ(12.0858, 6.7700, 2.5892)

Have a look what the booklet for
XYZ(12.0858, 6.7700, 2.5892)
contains.

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Color

**XYZ(12.0858, 6.7700,
2.5892)**

Conversions

Conversions Part 1

Format	Color
Hex	8F1B27
RGB	143, 27, 39
RGB Percent	56%, 11%, 15%
CMY	0.4392, 0.8941, 0.8471
CMYK	0.00, 0.81, 0.73, 0.44
HSL	354°, 68%, 33%
HSV	354°, 81%, 56%
XYZ	12.0858, 6.7700, 2.5892
YIQ	63.0520, 65.2840, 28.3240

Conversions

Conversions Part 2

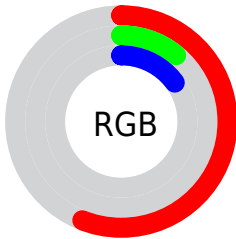
Format	Color
R_{YB}	143, 27, 39
Decimal	9378599
CIE Lab	31.28, 47.65, 24.00
CIE LCh	31, 53.350, 26.735
Yxy	6.7700, 0.5636, 0.3157
Android (android.graphics.Color)	4287568679 (0xFF8F1B27)
YUV	63.0520, -11.8576, 70.1144
Hunter-Lab	26.0192, 37.3787, 12.3134

Details

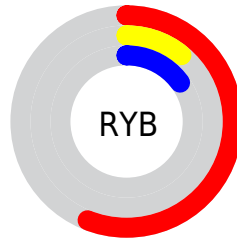
The XYZ color **12.0858, 6.7700, 2.5892** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.3720, 21.5168, 24.8718**, and the grayscale version is **4.7432, 4.9902, 5.4343**.

A 20% lighter version of the original color is **29.3221, 19.5231, 10.6104**, and **3.7463, 1.9313, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **11.6563, 6.1955, 1.5693**, and if you desaturate by 10%, it is **12.7471, 7.6933, 4.0410**.

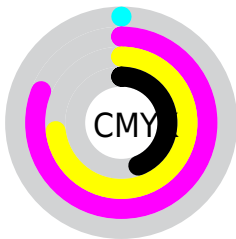
Distribution



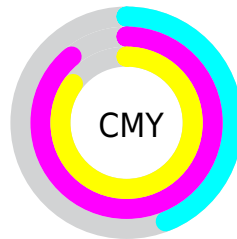
- Red (56%)
- Green (11%)
- Blue (15%)



- Red (56%)
- Yellow (11%)
- Blue (15%)



- Cyan (0%)
- Magenta (81%)
- Yellow (73%)
- Black (44%)




- Cyan (44%)
- Magenta (89%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0858, 6.7700, 2.5892 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 12.0858, 6.7700, 2.5892 by changing the saturation by 10% instead.


 12.0858, 6.7700,
2.5892


 12.0858, 6.7700,
2.5892


198.7308,
165.7387, 130.9431


 6.8748, 3.3187,
0.8869


 29.2668, 19.5090,
10.5967


 3.4295, 1.3003,
0.0000

 41.9674, 29.5655,
17.7411


 1.3848, 0.1414,
0.0000

 57.8953, 42.5924,
27.5372

 0.2453, 0.0000,
0.0000

 77.4158, 58.9743,
40.4036

 0.0000, 0.0000,
0.0000

 100.8942, 79.0955,
56.7588

 128.6960,

103.3403, 77.0215

161.1864,
132.0932, 101.6100

12.0858, 6.7700,
2.5892

12.0858, 6.7700,
2.5892

11.6563, 6.1955,
1.5693

12.7471, 7.6933,
4.0410

11.4122, 5.8734,
0.9760

13.6668, 9.0078,
5.9655

14.8682, 10.7511,
8.3992

16.3720, 12.9560,
11.3750

18.1968, 15.6522,
14.9228

■ 20.3599, 18.8668,
19.0705

■ 22.8772, 22.6252,
23.8441

■ 25.7636, 26.9507,
29.2680

■ 29.0332, 31.8656,
35.3655

Harmonies

Analogous

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



12.9140, 6.7700, 8.2269



12.0858, 6.7700, 2.5892



9.6239, 6.7700, 0.6515

Triad

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



12.0858, 6.7700, 2.5892



3.0665, 6.7700, 1.9414



6.1511, 6.7700, 33.3205

Complementary

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



12.0858, 6.7700, 2.5892



14.3720, 21.5168, 24.8718

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.



4.0416, 6.7700, 27.3044



12.0858, 6.7700, 2.5892



2.5930, 6.7700, 6.5773

Square

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



12.0858, 6.7700, 2.5892



4.4184, 6.7700, 0.4390



2.8942, 6.7700, 15.9877



8.9864, 6.7700, 29.3260

Rectangle

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



12.0858, 6.7700, 2.5892



7.6654, 6.7700, 0.1398



2.8942, 6.7700, 15.9877



5.3433, 6.7700, 32.3387

Sweetspot

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



12.0860, 6.7704, 2.5893



35.0766, 31.7259, 31.5067



14.4745, 7.4713, 26.6655



7.7583, 6.8511, 6.6776



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.



12.0860, 6.7704, 2.5893



20.5143, 10.6461, 1.8515



13.8090, 10.4856, 2.3337



5.4301, 5.4326, 5.7631



10.0949, 5.1950, 0.8851



0.1001, 0.0511, 0.0273

Inverse Universe

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



12.0860, 6.7704, 2.5893



20.5143, 10.6461, 1.8515



9.8282, 11.0525, 27.6017



5.4301, 5.4326, 5.7631



10.0949, 5.1950, 0.8851



0.1001, 0.0511, 0.0273

Previews

White Background



This preview shows how the XYZ color 12.0858, 6.7700, 2.5892 looks on a white background.

Color Contrast Check

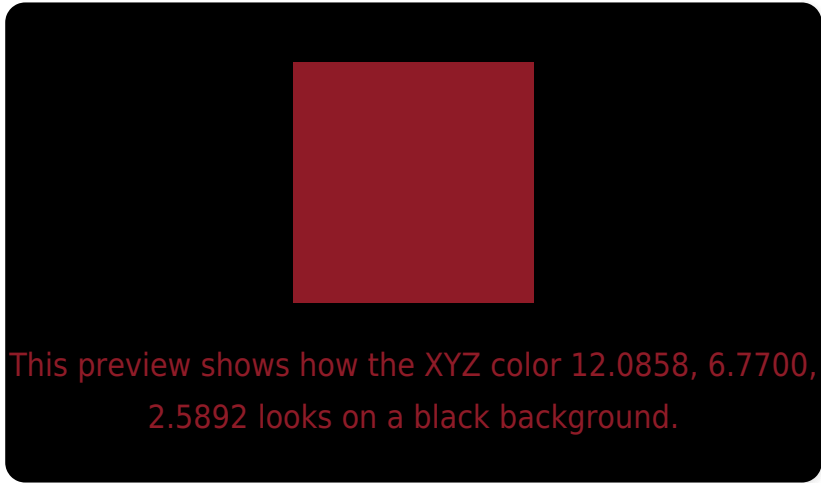
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0858, 6.7700, 2.5892

Background



This preview shows how black text looks on a background with the XYZ color 12.0858, 6.7700, 2.5892.



This preview shows how white text looks on a background with the XYZ color 12.0858, 6.7700,

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

12.0858, 6.7700, 2.5892

Protanopia

6.5990, 7.0573, 4.6288

Deuteranopia

7.0923, 7.0662, 2.3566



Tritanopia

11.9888, 6.8071, 1.8444

Trichromacy



Original Color

12.0858, 6.7700, 2.5892

Protanomaly

7.7764, 6.1909, 3.6908

Deuteranomaly

8.2731, 6.3292, 2.3757

Tritanomaly

12.0175, 6.7800, 2.1141

Monochromacy



Original Color

12.0858, 6.7700, 2.5892

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.2201, 4.8229, 4.0931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0858, 6.7700, 2.5892 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, 27, 39)` looks like.

```
.text, #text, p{  
    color:rgb(143, 27, 39)  
}
```

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, 27, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 27, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.0858, 6.7700, 2.5892 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, 27, 39) }
```


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

```
.border{ border-color:rgb(143, 27, 39) }
```

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

Here you see how a box with a 4 pixel rgb(143, 27, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 27, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 27, 39);  
box-shadow:4px 4px 4px 4px rgb(143, 27,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0858, 6.7700, 2.5892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 27, 39) }
```

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

```
.background{ background-color: rgb(143, 27,  
39) }
```

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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