

Converting Colors

XYZ(12.1609, 6.2359, 2.4769)

Have a look what the booklet for
XYZ(12.1609, 6.2359, 2.4769)
contains.

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Color

**XYZ(12.2311, 6.2792,
2.4868)**

Conversions

Conversions Part 1

Format	Color
Hex	920127
RGB	146, 1, 39
RGB Percent	57%, 0%, 15%
CMY	0.4275, 0.9960, 0.8471
CMYK	0.00, 0.99, 0.73, 0.43
HSL	344°, 99%, 29%
HSV	344°, 99%, 57%
XYZ	12.2311, 6.2792, 2.4868
YIQ	48.6870, 74.2220, 42.5580

Conversions

Conversions Part 2

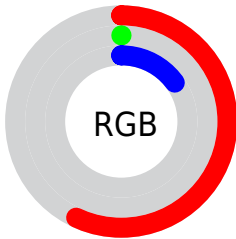
Format	Color
RYB	146, 1, 39
Decimal	9568551
CIELab	30.11, 53.70, 22.75
CIElCh	30, 58.319, 22.959
Yxy	6.2792, 0.5825, 0.2991
Android (android.graphics.Color)	4287758631 (0xFF920127)
YUV	48.6870, -4.7757, 85.3435
Hunter-Lab	25.0583, 43.2747, 11.6569

Details

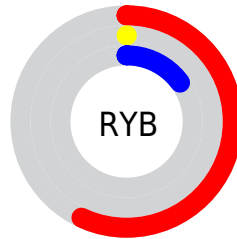
The XYZ color **12.2311, 6.2792, 2.4868** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.9995, 21.6473, 17.6864**, and the grayscale version is **2.8853, 3.0355, 3.3057**.

A 20% lighter version of the original color is **29.6497, 18.5402, 10.4034**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.2078, 6.2525, 2.4180**, and if you desaturate by 10%, it is **12.6046, 6.6988, 3.6209**.

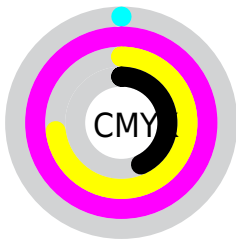
Distribution



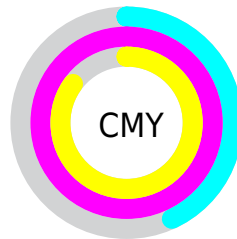
- Red (57%)
- Green (0%)
- Blue (15%)



- Red (57%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (99%)
- Yellow (73%)
- Black (43%)



- Cyan (43%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2311, 6.2792, 2.4868 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 12.2311, 6.2792, 2.4868 by changing the saturation by 10% instead.

■ 12.2311, 6.2792,
2.4868

■ 12.2311, 6.2792,
2.4868

199.6681,
161.5325, 129.5289

■ 6.9746, 3.0156,
0.8331

■ 29.5285, 18.5077,
10.3334

■ 3.4924, 1.1399,
0.0000

■ 42.3002, 28.2414,
17.3693

■ 1.4192, 0.0118,
0.0000

■ 58.3075, 40.9006,
27.0383

■ 0.2698, 0.0000,
0.0000


■ 77.9160, 56.8696,
39.7590


■ 0.0000, 0.0000,
0.0000


■ 101.4910, 76.5329,
55.9498


■ 129.3977,

100.2749, 76.0294


 162.0016,
128.4800, 100.4163


 12.2311, 6.2792,
2.4868


 12.2311, 6.2792,
2.4868


 12.2078, 6.2525,
2.4180

 12.6046, 6.6988,
3.6209

 13.1541, 7.3828,
5.0834

 13.9334, 8.4332,
6.9097

 14.9665, 9.8931,
9.1236

 16.2745, 11.7995,
11.7471

■ 17.8759, 14.1852,
14.8001

■ 19.7879, 17.0802,
18.3013

■ 22.0260, 20.5116,
22.2683

■ 24.6048, 24.5049,
26.7175

Harmonies

Analogous

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



12.8488, 6.2792, 8.8522



12.2311, 6.2792, 2.4868



9.7256, 6.2792, 0.3745

Triad

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



12.2311, 6.2792, 2.4868



2.6799, 6.2792, 1.1883



5.3471, 6.2792, 35.2835

Complementary

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



12.2311, 6.2792, 2.4868



12.9995, 21.6473, 17.6864

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.



3.3297, 6.2792, 27.2545



12.2311, 6.2792, 2.4868



2.1249, 6.2792, 5.1534

Square

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



12.2311, 6.2792, 2.4868



4.1443, 6.2792, 0.0000



2.3198, 6.2792, 14.5467



8.2613, 6.2792, 32.1595

Rectangle

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



12.2311, 6.2792, 2.4868



7.6441, 6.2792, 0.0000



2.3198, 6.2792, 14.5467



4.5571, 6.2792, 33.6746

Sweetspot

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



12.2312, 6.2796, 2.4869



34.4355, 29.4115, 31.4327



11.3035, 5.2443, 27.6103



7.3711, 6.1035, 6.4658



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.



12.2312, 6.2796, 2.4869



21.4755, 11.0059, 3.9462



12.4562, 7.3064, 0.7831



5.8595, 5.8389, 6.3661



10.7512, 5.5055, 2.1709



0.1423, 0.0717, 0.0831

Inverse Universe

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



12.2312, 6.2796, 2.4869



21.4755, 11.0059, 3.9462



11.0141, 13.7081, 29.2593



5.8595, 5.8389, 6.3661



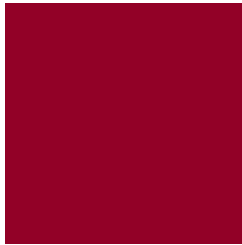
10.7512, 5.5055, 2.1709



0.1423, 0.0717, 0.0831

Previews

White Background



This preview shows how the XYZ color 12.2311, 6.2792, 2.4868 looks on a white background.

Color Contrast Check

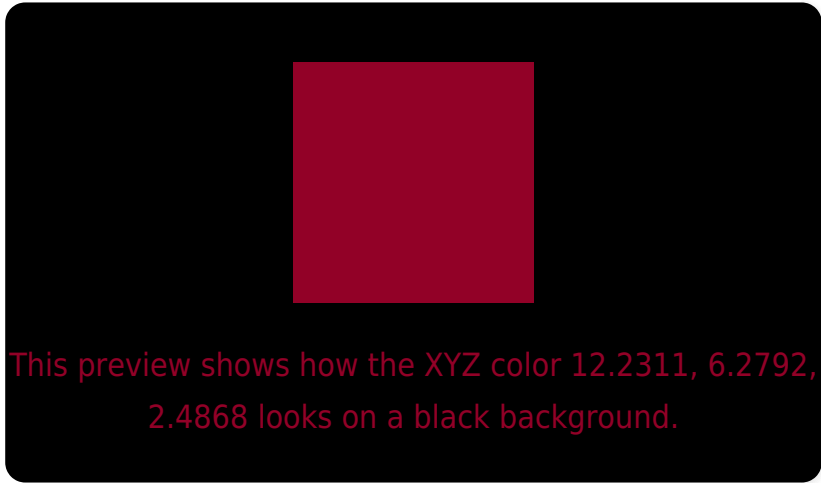
Large Text (above 18pt) WCAG AA ✓ Pass

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

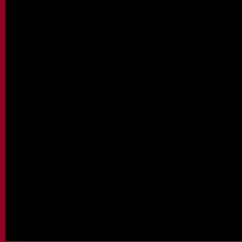
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2311, 6.2792, 2.4868

Background



This preview shows how black text looks on a background with the XYZ color 12.2311, 6.2792, 2.4868.



This preview shows how white text looks on a background with the XYZ color 12.2311, 6.2792,

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

12.2311, 6.2792, 2.4868

Protanopia

6.4369, 6.8653, 4.9889

Deuteranopia

6.9142, 6.8807, 2.2600



Tritanopia

11.9228, 6.4145, 0.9263

Trichromacy



Original Color

12.2311, 6.2792, 2.4868

Protanomaly

7.2076, 5.1556, 3.7472

Deuteranomaly

7.9478, 5.5142, 2.1588

Tritanomaly

11.9321, 6.3132, 1.2992

Monochromacy



Original Color

12.2311, 6.2792, 2.4868

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.6463, 3.1073, 2.8375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2311, 6.2792, 2.4868 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(146, 1, 39)` looks like.

```
.text, #text, p{  
    color:rgb(146, 1, 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(146, 1, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 1, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.2311, 6.2792, 2.4868 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(146, 1, 39) }
```


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

```
.border{ border-color:rgb(146, 1, 39) }
```

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

Here you see how a box with a 4 pixel rgb(146, 1, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 1, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 1, 39);  
box-shadow:4px 4px 4px 4px rgb(146, 1, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2311, 6.2792, 2.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 1, 39) }
```

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

```
.background{ background-color: rgb(146, 1,  
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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