

Converting Colors

XYZ(12.8413, 6.5348, 2.7908)

Have a look what the booklet for
XYZ(12.8413, 6.5348, 2.7908)
contains.

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Color

**XYZ(12.8123, 6.5567,
2.7808)**

Conversions

Conversions Part 1

Format	Color
Hex	95002A
RGB	149, 0, 42
RGB Percent	58%, 0%, 16%
CMY	0.4157, 0.9999, 0.8353
CMYK	0.00, 1.00, 0.72, 0.42
HSL	343°, 100%, 29%
HSV	343°, 100%, 58%
XYZ	12.8123, 6.5567, 2.7808
YIQ	49.3390, 75.3220, 44.6500

Conversions

Conversions Part 2

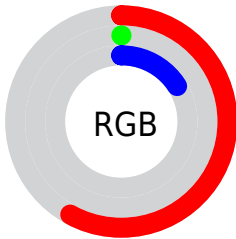
Format	Color
RYB	149, 0, 42
Decimal	9764906
CIELab	30.78, 54.75, 21.75
CIElCh	31, 58.912, 21.666
Yxy	6.5567, 0.5784, 0.2960
Android (android.graphics.Color)	4287954986 (0xFF95002A)
YUV	49.3390, -3.6181, 87.4027
Hunter-Lab	25.6061, 44.5040, 11.4854

Details

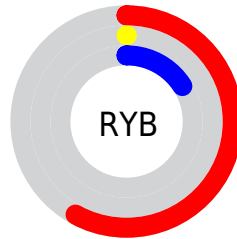
The XYZ color **12.8123, 6.5567, 2.7808** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.4025, 22.5568, 17.5628**, and the grayscale version is **2.9564, 3.1103, 3.3871**.

A 20% lighter version of the original color is **30.6812, 19.1548, 11.0970**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **12.8120, 6.5566, 2.7794**, and if you desaturate by 10%, it is **13.1998, 6.9832, 3.9845**.

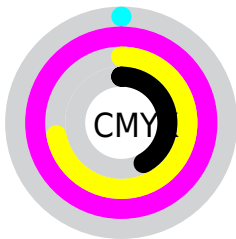
Distribution



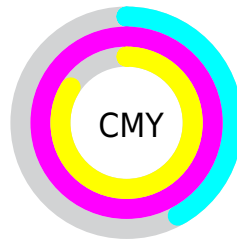
- Red (58%)
- Green (0%)
- Blue (16%)



- Red (58%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (42%)





- Cyan (42%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8123, 6.5567, 2.7808 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 12.8123, 6.5567, 2.7808 by changing the saturation by 10% instead.


 12.8123, 6.5567,
2.7808


 12.8123, 6.5567,
2.7808


203.3732,
163.9277, 133.5179


 7.3755, 3.1864,
0.9838


 30.5704, 19.0757,
11.0826


 3.7465, 1.2298,
0.0000

 43.6223, 28.9932,
18.4245


 1.5597, 0.0859,
0.0000

 59.9435, 41.8620,
28.4518

 0.3659, 0.0000,
0.0000


 79.8990, 58.0663,
41.5830


 0.0000, 0.0000,
0.0000

 103.8544, 77.9907,
58.2366


 132.1750,


102.0194, 78.8313

 165.2262,
130.5370, 103.7856


 12.8123, 6.5567,
2.7808


 12.8123, 6.5567,
2.7808


 12.8120, 6.5566,
2.7794

 13.1998, 6.9832,
3.9845

 13.7626, 7.6724,
5.5175

 14.5616, 8.7408,
7.4167

 15.6223, 10.2344,
9.7060

 16.9667, 12.1923,
12.4069

■ 18.6141, 14.6493,
15.5392

■ 20.5825, 17.6369,
19.1213

■ 22.8881, 21.1839,
23.1708

■ 25.5461, 25.3169,
27.7039

Harmonies

Analogous

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



13.3504, 6.5567, 9.6555



12.8123, 6.5567, 2.7808



10.2714, 6.5567, 0.4789

Triad

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



12.8123, 6.5567, 2.7808



2.8540, 6.5567, 1.1679



5.4732, 6.5567, 36.5031

Complementary

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



12.8123, 6.5567, 2.7808



13.4025, 22.5568, 17.5628

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.



3.4206, 6.5567, 27.7863



12.8123, 6.5567, 2.7808



2.2389, 6.5567, 5.1030

Square

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



12.8123, 6.5567, 2.7808



4.4249, 6.5567, 0.0000



2.4089, 6.5567, 14.6129



8.4742, 6.5567, 33.7836

Rectangle

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



12.8123, 6.5567, 2.7808



8.1131, 6.5567, 0.0000



2.4089, 6.5567, 14.6129



4.6667, 6.5567, 34.6680

Sweetspot

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



12.8124, 6.5571, 2.7809



36.6242, 31.2240, 33.8207



11.4630, 5.2831, 28.8490



7.8073, 6.4488, 6.9378



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.8124, 6.5571, 2.7809



22.8771, 11.7150, 4.6211



12.9190, 7.4388, 0.7555



5.8640, 5.8407, 6.3899



10.7946, 5.5229, 2.3994



0.1434, 0.0721, 0.0889

Inverse Universe

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



12.8124, 6.5571, 2.7809



22.8771, 11.7150, 4.6211



11.7538, 14.8276, 30.6760



5.8640, 5.8407, 6.3899



10.7946, 5.5229, 2.3994



0.1434, 0.0721, 0.0889

Previews

White Background



This preview shows how the XYZ color 12.8123, 6.5567, 2.7808 looks on a white background.

Color Contrast Check

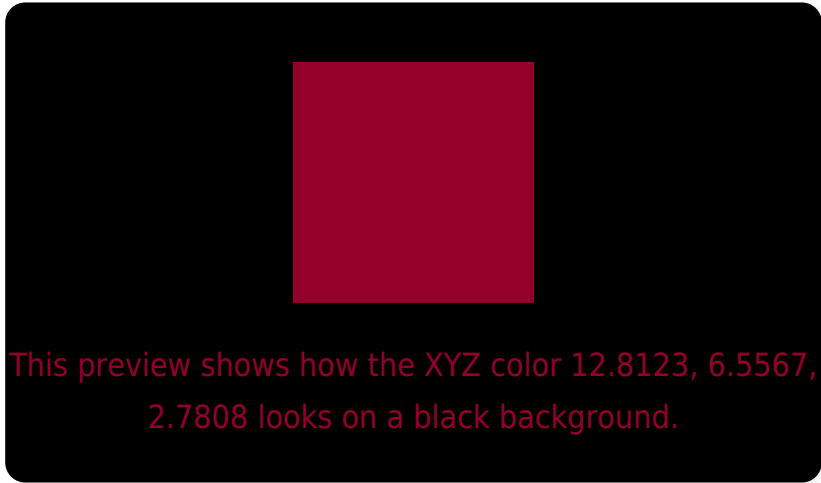
Large Text (above 18pt) WCAG AA ✓ Pass

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

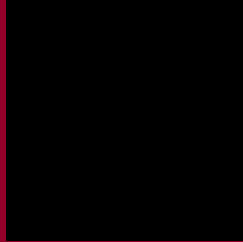
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8123, 6.5567, 2.7808

Background



This preview shows how black text looks on a background with the XYZ color 12.8123, 6.5567, 2.7808.



This preview shows how white text looks on a background with the XYZ color 12.8123, 6.5567,

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

12.8123, 6.5567, 2.7808

Protanopia

6.7899, 7.2332, 5.7409

Deuteranopia

7.2222, 7.1299, 2.5089



Tritanopia

12.4858, 6.7259, 1.0209

Trichromacy



Original Color

12.8123, 6.5567, 2.7808

Protanomaly

7.5722, 5.3930, 4.2563

Deuteranomaly

8.2504, 5.6650, 2.4089

Tritanomaly

12.4973, 6.6012, 1.4796

Monochromacy



Original Color

12.8123, 6.5567, 2.7808

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.7294, 3.1085, 2.9355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8123, 6.5567, 2.7808 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(149, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(149, 0, 42)  
}
```

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(149, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 12.8123, 6.5567, 2.7808 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(149, 0, 42) }
```


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

```
.border{ border-color:rgb(149, 0, 42) }
```

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

Here you see how a box with a 4 pixel rgb(149, 0, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(149, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8123, 6.5567, 2.7808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 42) }
```

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

```
.background{ background-color: rgb(149, 0,  
42) }
```

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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