

Converting Colors

XYZ(12.6007, 6.2945, 9.6883)

Have a look what the booklet for
XYZ(12.6007, 6.2945, 9.6883)
contains.

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Color

**XYZ(12.5767, 6.2800,
9.7818)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0058
RGB	140, 0, 88
RGB Percent	55%, 0%, 35%
CMY	0.4510, 0.9999, 0.6549
CMYK	0.00, 1.00, 0.37, 0.45
HSL	322°, 100%, 27%
HSV	322°, 100%, 55%
XYZ	12.5767, 6.2800, 9.7818
YIQ	51.8920, 55.1920, 57.0480

Conversions

Conversions Part 2

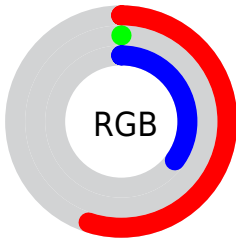
Format	Color
R_{YB}	140, 0, 88
Decimal	9175128
CIE _{Lab}	30.11, 56.05, -10.08
CIE _{LCh}	30, 56.945, 349.807
Yxy	6.2800, 0.4392, 0.2193
Android (android.graphics.Color)	4287365208 (0xFF8C0058)
YUV	51.8920, 17.8012, 77.2707
Hunter-Lab	25.0599, 45.7280, -5.6011

Details

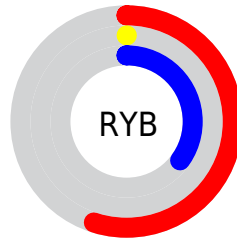
The XYZ color **12.5767, 6.2800, 9.7818** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.9984, 19.0044, 6.3917**, and the grayscale version is **3.2271, 3.3952, 3.6973**.

A 20% lighter version of the original color is **30.2587, 18.6058, 26.0412**, and **4.0922, 2.0592, 2.4673** is the 20% darker color. If you saturate the color by 10%, you get **12.5765, 6.2800, 9.7808**, and if you desaturate by 10%, it is **12.9572, 6.6838, 11.0098**.

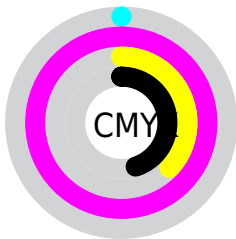
Distribution



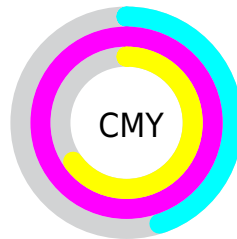
- Red (55%)
- Green (0%)
- Blue (35%)



- Red (55%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5767, 6.2800, 9.7818 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 12.5767, 6.2800, 9.7818 by changing the saturation by 10% instead.

12.5767, 6.2800,
9.7818

12.5767, 6.2800,
9.7818

201.8796,
161.5395, 199.5355

7.2127, 3.0161,
5.1508

30.1490, 18.5094,
25.9856

3.6430, 1.1401,
2.2757

43.0880, 28.2436,
38.3956

1.5022, 0.0120,
0.7176

59.2828, 40.9034,
54.2356

0.3273, 0.0000,
0.0000


79.0986, 56.8731,
73.9242


0.0000, 0.0000,
0.0000

102.9008, 76.5372,
97.8799


131.0548,

100.2800, 126.5214

 163.9260,
128.4860, 160.2670

 12.5767, 6.2800,
9.7818

 12.5767, 6.2800,
9.7818


 12.5765, 6.2800,
9.7808

 12.9572, 6.6838,
11.0098

 13.4545, 7.2961,
12.3540

 14.1222, 8.2238,
13.8339

 14.9798, 9.5050,
15.4574

 16.0437, 11.1725,
17.2313

■ 17.3287, 13.2550,
19.1620

■ 18.8479, 15.7789,
21.2552

■ 20.6137, 18.7679,
23.5162

■ 22.6373, 22.2445,
25.9502

Harmonies

Analogous

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



10.8086, 6.2800, 21.3805



12.5767, 6.2800, 9.7818



12.2145, 6.2800, 2.9695

Triad

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



12.5767, 6.2800, 9.7818



4.3937, 6.2800, 0.0000



3.2323, 6.2800, 25.3244

Complementary

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



12.5767, 6.2800, 9.7818



9.9984, 19.0044, 6.3917

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.



2.3261, 6.2800, 13.1233



12.5767, 6.2800, 9.7818



2.8449, 6.2800, 1.0631

Square

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



12.5767, 6.2800, 9.7818



6.9237, 6.2800, 0.0000



2.2093, 6.2800, 4.5532



5.1062, 6.2800, 33.8923

Rectangle

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



12.5767, 6.2800, 9.7818



10.8417, 6.2800, 1.0852



2.2093, 6.2800, 4.5532



2.8314, 6.2800, 21.2186

Sweetspot

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



12.5769, 6.2804, 9.7819



33.0449, 27.5089, 37.2280



6.1163, 2.6065, 24.9918



7.3754, 5.9397, 8.2553



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.



12.5769, 6.2804, 9.7819



22.0935, 11.0401, 16.8254



10.9302, 5.6217, 1.1108



5.1564, 5.0980, 5.9118



11.1845, 5.5839, 8.7417



0.0814, 0.0399, 0.0955

Inverse Universe

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



12.5769, 6.2804, 9.7819



22.0935, 11.0401, 16.8254



12.8501, 20.1451, 21.4083



5.1564, 5.0980, 5.9118



11.1845, 5.5839, 8.7417



0.0814, 0.0399, 0.0955

Previews

White Background



This preview shows how the XYZ color 12.5767, 6.2800, 9.7818 looks on a white background.

Color Contrast Check

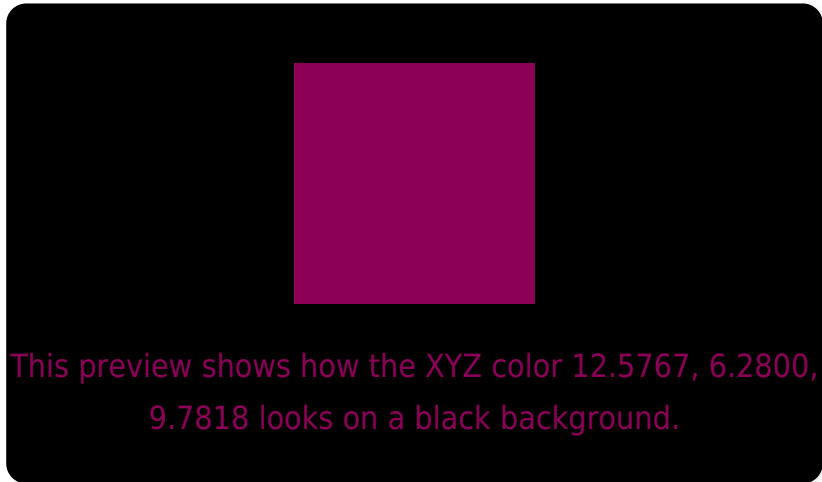
Large Text (above 18pt) WCAG AA ✓ Pass

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

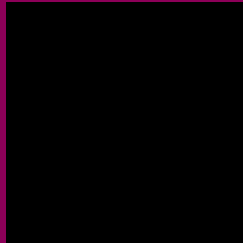
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5767, 6.2800, 9.7818

Background



This preview shows how black text looks on a background with the XYZ color 12.5767, 6.2800, 9.7818.



This preview shows how white text looks on a background with the XYZ color 12.5767, 6.2800, 9.7818.

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

12.5767, 6.2800, 9.7818

Protanopia

7.5137, 6.9753, 20.6890

Deuteranopia

6.9822, 6.8636, 8.9395



Tritanopia

11.2360, 6.6478, 2.3600

Trichromacy



Original Color

12.5767, 6.2800, 9.7818

Protanomaly

7.4689, 4.9628, 15.8935

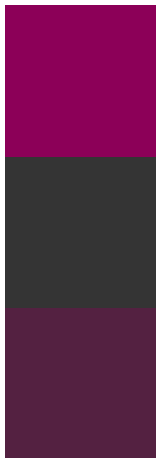
Deuteranomaly

7.9441, 5.3608, 9.0035

Tritanomaly

11.4577, 6.2529, 4.2175

Monochromacy



Original Color

12.5767, 6.2800, 9.7818

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1541, 3.3542, 5.3768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5767, 6.2800, 9.7818 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, 0, 88)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 88)  
}
```

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, 0, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.5767, 6.2800, 9.7818 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, 0, 88) }
```


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

```
.border{ border-color:rgb(140, 0, 88) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 88);  
box-shadow:4px 4px 4px 4px rgb(140, 0, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5767, 6.2800, 9.7818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 88) }
```

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

```
.background{ background-color: rgb(140, 0,  
88) }
```

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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