

Converting Colors

XYZ(12.3120, 6.4257, 7.6127)

Have a look what the booklet for
XYZ(12.3120, 6.4257, 7.6127)
contains.

XYZ(12.3118, 6.4253, 7.6125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.3118, 6.4253,
7.6125)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0E4D
RGB	140, 14, 77
RGB Percent	55%, 5%, 30%
CMY	0.4510, 0.9451, 0.6980
CMYK	0.00, 0.90, 0.45, 0.45
HSL	330°, 82%, 30%
HSV	330°, 90%, 55%
XYZ	12.3118, 6.4253, 7.6125
YIQ	58.8560, 54.8730, 46.3050

Conversions

Conversions Part 2

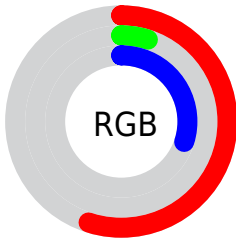
Format	Color
R_{YB}	140, 14, 77
Decimal	9178701
CIE Lab	30.46, 52.72, -2.29
CIE LCh	30, 52.773, 357.516
Yxy	6.4253, 0.4672, 0.2438
Android (android.graphics.Color)	4287368781 (0xFF8C0E4D)
YUV	58.8560, 8.9450, 71.1633
Hunter-Lab	25.3482, 42.3395, -0.0621

Details

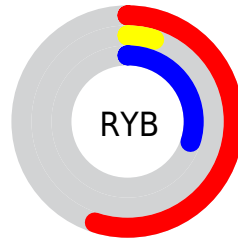
The XYZ color **12.3118, 6.4253, 7.6125** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.8993, 19.3856, 10.1907**, and the grayscale version is **4.1212, 4.3358, 4.7217**.

A 20% lighter version of the original color is **29.7085, 18.8199, 21.8055**, and **3.9307, 1.9946, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **11.9208, 6.0179, 6.3276**, and if you desaturate by 10%, it is **12.8310, 7.0466, 9.0716**.

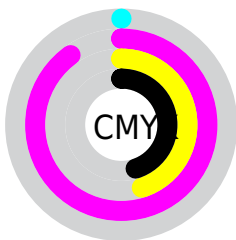
Distribution



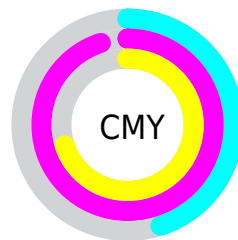
- Red (55%)
- Green (5%)
- Blue (30%)



- Red (55%)
- Yellow (5%)
- Blue (30%)



- Cyan (0%)
- Magenta (90%)
- Yellow (45%)
- Black (45%)





- Cyan (45%)
- Magenta (95%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3118, 6.4253, 7.6125 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 12.3118, 6.4253, 7.6125 by changing the saturation by 10% instead.


 12.3118, 6.4253,
7.6125


 12.3118, 6.4253,
7.6125


200.1867,
162.7992, 182.4799


 7.0301, 3.1054,
3.7638


 29.6737, 18.8074,
21.7287


 3.5274, 1.1870,
1.4967

 42.4846, 28.6383,
32.8333

 1.4384, 0.0510,
0.2155

 58.5359, 41.4083,
47.1936

 0.2834, 0.0000,
0.0000


 78.1931, 57.5019,
65.2282


 0.0000, 0.0000,
0.0000


 101.8214, 77.3034,
87.3556


 129.7862,


101.1971, 113.9943


 162.4528,
129.5676, 145.5629

 12.3118, 6.4253,
7.6125

 12.3118, 6.4253,
7.6125


 11.9208, 6.0179,
6.3276


 12.8310, 7.0466,
9.0716

 11.9205, 6.0176,
6.3265

 13.5320, 7.9876,
10.7264

 14.4347, 9.2868,
12.5876

 15.5561, 10.9772,
14.6643

 16.9113, 13.0879,
16.9651

■ 18.5140, 15.6451,
19.4980

■ 20.3769, 18.6729,
22.2705

■ 22.5116, 22.1938,
25.2896

■ 24.9291, 26.2287,
28.5620

Harmonies

Analogous

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



11.1520, 6.4253, 17.3592



12.3118, 6.4253, 7.6125



11.4675, 6.4253, 2.3550

Triad

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



12.3118, 6.4253, 7.6125



4.1371, 6.4253, 0.3996



3.8638, 6.4253, 26.3422

Complementary

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



12.3118, 6.4253, 7.6125



10.8993, 19.3856, 10.1907

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.



2.7480, 6.4253, 15.5257



12.3118, 6.4253, 7.6125



2.8727, 6.4253, 1.8877

Square

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



12.3118, 6.4253, 7.6125



6.3187, 6.4253, 0.0000



2.4421, 6.4253, 6.4138



5.9002, 6.4253, 31.8968

Rectangle

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



12.3118, 6.4253, 7.6125



9.9825, 6.4253, 0.9509



2.4421, 6.4253, 6.4138



3.3922, 6.4253, 22.9495

Sweetspot

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



12.3120, 6.4257, 7.6126



33.3939, 28.7984, 35.5208



7.9519, 3.7859, 25.1226



7.4829, 6.2940, 7.8621



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.



12.3120, 6.4257, 7.6126



20.9353, 10.5768, 10.7267



11.0518, 5.9216, 0.9764



5.1303, 5.0876, 5.7747



10.6019, 5.3509, 5.6739



0.0778, 0.0385, 0.0765

Inverse Universe

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



12.3120, 6.4257, 7.6126



20.9353, 10.5768, 10.7267



14.2930, 20.7431, 28.0614



5.1303, 5.0876, 5.7747



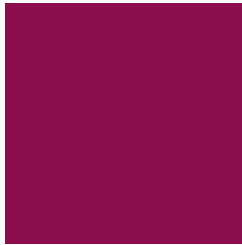
10.6019, 5.3509, 5.6739



0.0778, 0.0385, 0.0765

Previews

White Background



This preview shows how the XYZ color 12.3118, 6.4253, 7.6125 looks on a white background.

Color Contrast Check

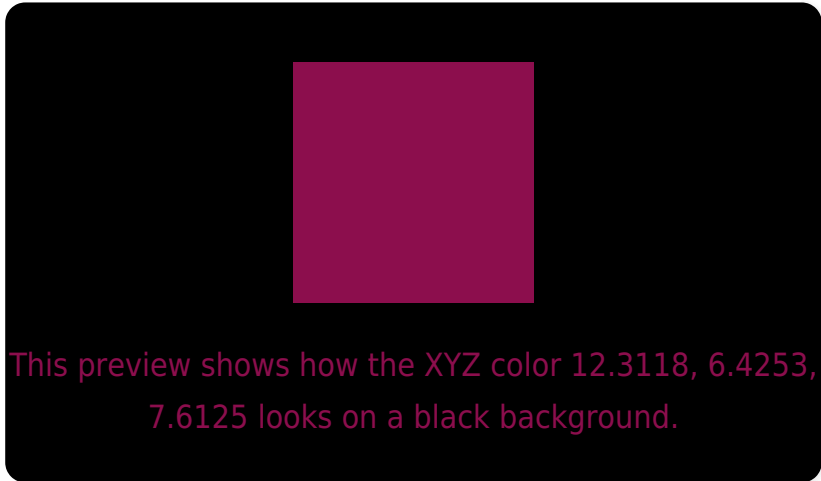
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3118, 6.4253, 7.6125

Background



This preview shows how black text looks on a background with the XYZ color 12.3118, 6.4253, 7.6125.



This preview shows how white text looks on a background with the XYZ color 12.3118, 6.4253,

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

12.3118, 6.4253, 7.6125

Protanopia

7.1295, 6.8933, 15.4228

Deuteranopia

6.8702, 6.7552, 6.9030



Tritanopia

11.2996, 6.6008, 2.1174

Trichromacy



Original Color

12.3118, 6.4253, 7.6125

Protanomaly

7.6021, 5.4927, 11.9688

Deuteranomaly

7.9367, 5.6458, 6.9748

Tritanomaly

11.5712, 6.4495, 3.5407

Monochromacy



Original Color

12.3118, 6.4253, 7.6125

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.8717, 4.1958, 5.6547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3118, 6.4253, 7.6125 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, 14, 77)` looks like.

```
.text, #text, p{  
    color:rgb(140, 14, 77)  
}
```

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, 14, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 14, 77) }
```

Border

The CSS property to change the border of an element to XYZ 12.3118, 6.4253, 7.6125 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, 14, 77) }
```


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

```
.border{ border-color:rgb(140, 14, 77) }
```

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

Here you see how a box with a 4 pixel rgb(140, 14, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 14, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 14, 77);  
box-shadow:4px 4px 4px 4px rgb(140, 14,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3118, 6.4253, 7.6125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 14, 77) }
```

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

```
.background{ background-color: rgb(140, 14,  
77) }
```

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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