

Converting Colors

XYZ(11.7827, 5.4160, 4.4630)

Have a look what the booklet for
XYZ(11.7827, 5.4160, 4.4630)
contains.

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Color

**XYZ(12.0914, 6.1451,
4.5518)**

Conversions

Conversions Part 1

Format	Color
Hex	8F003A
RGB	143, 0, 58
RGB Percent	56%, 0%, 23%
CMY	0.4392, 0.9999, 0.7725
CMYK	0.00, 1.00, 0.59, 0.44
HSL	336°, 100%, 28%
HSV	336°, 100%, 56%
XYZ	12.0914, 6.1451, 4.5518
YIQ	49.3690, 66.6100, 48.3540

Conversions

Conversions Part 2

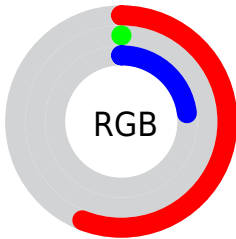
Format	Color
R_{YB}	143, 0, 58
Decimal	9371706
CIE Lab	29.78, 54.16, 9.51
CIE LCh	30, 54.988, 9.960
Yxy	6.1451, 0.5306, 0.2697
Android (android.graphics.Color)	4287561786 (0xFF8F003A)
YUV	49.3690, 4.2551, 82.1144
Hunter-Lab	24.7893, 43.6851, 6.4657

Details

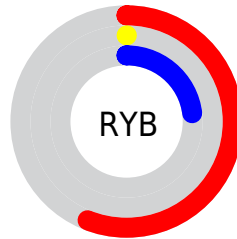
The XYZ color **12.0914, 6.1451, 4.5518** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.4630, 20.3011, 11.9122**, and the grayscale version is **2.9517, 3.1054, 3.3818**.

A 20% lighter version of the original color is **29.2243, 18.2112, 15.3394**, and **3.8398, 1.9687, 0.6678** is the 20% darker color. If you saturate the color by 10%, you get **12.0911, 6.1450, 4.5505**, and if you desaturate by 10%, it is **12.4872, 6.5616, 5.8404**.

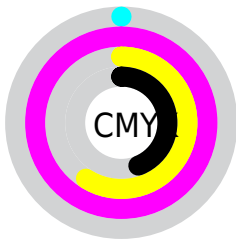
Distribution



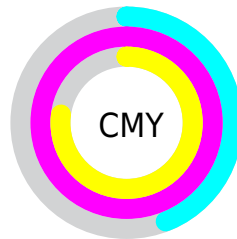
- Red (56%)
- Green (0%)
- Blue (23%)



- Red (56%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (44%)




- Cyan (44%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0914, 6.1451, 4.5518 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 12.0914, 6.1451, 4.5518 by changing the saturation by 10% instead.


 12.0914, 6.1451,
4.5518


 12.0914, 6.1451,
4.5518


198.7670,
160.3583, 154.1742

 6.8786, 2.9335,
1.9327


 29.2769, 18.2314,
15.2636


 3.4319, 1.0971,
0.5134

 41.9803, 27.8750,
24.1934


 1.3861, 0.0000,
0.0000

 57.9112, 40.4313,
36.0638

 0.2463, 0.0000,
0.0000

 77.4351, 56.2848,
51.2934

 0.0000, 0.0000,
0.0000

 100.9173, 75.8198,
70.3007

 128.7231, 99.4208,

93.5042

161.2179,
127.4722, 121.3226

12.0914, 6.1451,
4.5518

12.0914, 6.1451,
4.5518

12.0911, 6.1450,
4.5505

12.4872, 6.5616,
5.8404

13.0278, 7.2077,
7.3616

13.7693, 8.1937,
9.1416

14.7335, 9.5602,
11.1949

15.9387, 11.3420,
13.5343

■ 17.4015, 13.5703,
16.1718

■ 19.1368, 16.2727,
19.1187

■ 21.1585, 19.4751,
22.3852

■ 23.4793, 23.2011,
25.9816

Harmonies

Analogous

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



11.7343, 6.1451, 12.7186



12.0914, 6.1451, 4.5518



10.4402, 6.1451, 1.1286

Triad

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



12.0914, 6.1451, 4.5518



3.2323, 6.1451, 0.6425



4.3221, 6.1451, 30.3056

Complementary

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



12.0914, 6.1451, 4.5518



11.4630, 20.3011, 11.9122

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.



2.8404, 6.1451, 20.2919



12.0914, 6.1451, 4.5518



2.3494, 6.1451, 2.9517

Square

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



12.0914, 6.1451, 4.5518



5.0362, 6.1451, 0.0000



2.2305, 6.1451, 9.4132



6.7267, 6.1451, 32.0801

Rectangle

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



12.0914, 6.1451, 4.5518



8.6422, 6.1451, 0.2611



2.2305, 6.1451, 9.4132



3.7214, 6.1451, 27.5679

Sweetspot

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



12.0916, 6.1455, 4.5519



34.0552, 28.8027, 33.8806



8.5629, 3.8419, 26.2767



7.5295, 6.1669, 7.3000



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.



12.0916, 6.1455, 4.5519



21.5729, 10.9726, 7.7255



11.4584, 6.1010, 0.5742



5.4939, 5.4581, 6.0986



10.7008, 5.4373, 4.0757



0.1128, 0.0562, 0.0940

Inverse Universe

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



12.0916, 6.1455, 4.5519



21.5729, 10.9726, 7.7255



13.0858, 18.2386, 28.8172



5.4939, 5.4581, 6.0986



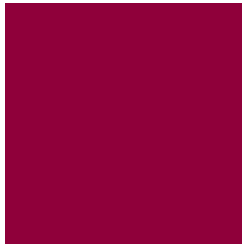
10.7008, 5.4373, 4.0757



0.1128, 0.0562, 0.0940

Previews

White Background



This preview shows how the XYZ color 12.0914, 6.1451, 4.5518 looks on a white background.

Color Contrast Check

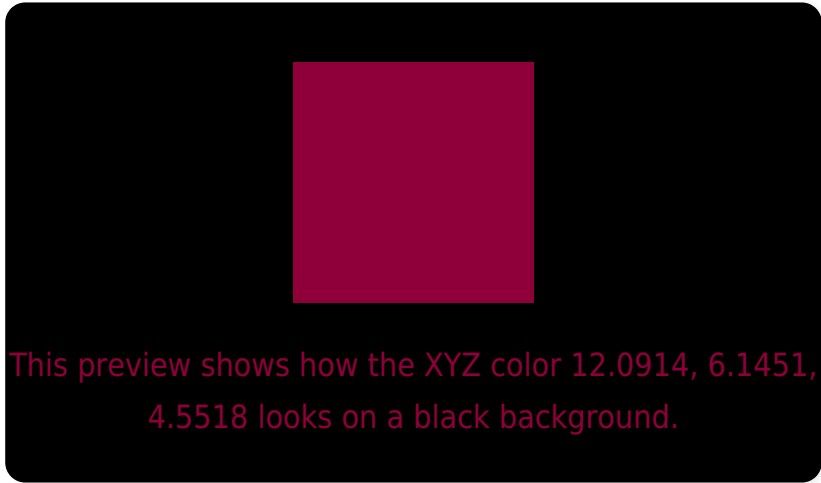
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0914, 6.1451, 4.5518

Background



This preview shows how black text looks on a background with the XYZ color 12.0914, 6.1451, 4.5518.



This preview shows how white text looks on a background with the XYZ color 12.0914, 6.1451,

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

12.0914, 6.1451, 4.5518

Protanopia

6.6947, 6.7987, 9.5538

Deuteranopia

6.8345, 6.7030, 4.1824



Tritanopia

11.6065, 6.4215, 1.3868

Trichromacy



Original Color

12.0914, 6.1451, 4.5518

Protanomaly

7.2840, 5.0587, 7.2491

Deuteranomaly

7.7886, 5.3313, 4.1086

Tritanomaly

11.6295, 6.2138, 2.1765

Monochromacy



Original Color

12.0914, 6.1451, 4.5518

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.6771, 3.0669, 3.5943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0914, 6.1451, 4.5518 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, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 58)  
}
```

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, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 58) }
```

Border

The CSS property to change the border of an element to XYZ 12.0914, 6.1451, 4.5518 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, 0, 58) }
```


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

```
.border{ border-color:rgb(143, 0, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(143, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0914, 6.1451, 4.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 58) }
```

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

```
.background{ background-color: rgb(143, 0,  
58) }
```

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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