

Converting Colors

XYZ(14.4030, 6.6515, 4.4618)

Have a look what the booklet for
XYZ(14.4030, 6.6515, 4.4618)
contains.

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Color

**XYZ(14.8643, 7.5746,
4.6816)**

Conversions

Conversions Part 1

Format	Color
Hex	9E003A
RGB	158, 0, 58
RGB Percent	62%, 0%, 23%
CMY	0.3804, 0.9999, 0.7725
CMYK	0.00, 1.00, 0.63, 0.38
HSL	338°, 100%, 31%
HSV	338°, 100%, 62%
XYZ	14.8643, 7.5746, 4.6816
YIQ	53.8540, 75.5500, 51.5340

Conversions

Conversions Part 2

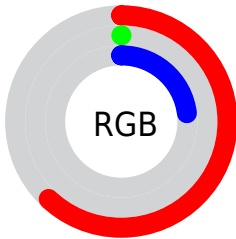
Format	Color
RYB	158, 0, 58
Decimal	10354746
CIELab	33.08, 57.83, 14.56
CIELCh	33, 59.633, 14.128
Yxy	7.5746, 0.5481, 0.2793
Android (android.graphics.Color)	4288544826 (0xFF9E003A)
YUV	53.8540, 2.0440, 91.3360
Hunter-Lab	27.5220, 48.2422, 9.1799

Details

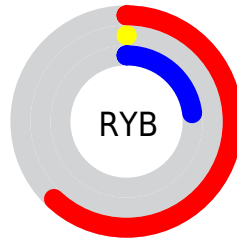
The XYZ color **14.8643, 7.5746, 4.6816** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.5285, 25.3743, 16.1943**, and the grayscale version is **3.4809, 3.6621, 3.9881**.

A 20% lighter version of the original color is **34.3477, 21.2489, 15.6557**, and **5.2391, 2.6901, 0.7333** is the 20% darker color. If you saturate the color by 10%, you get **14.8639, 7.5744, 4.6797**, and if you desaturate by 10%, it is **15.3266, 8.0518, 6.2155**.

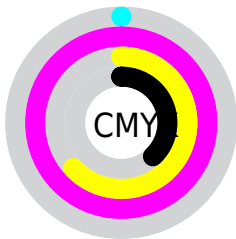
Distribution



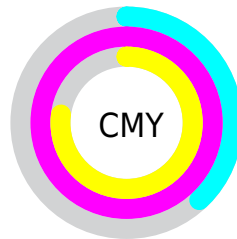
- Red (62%)
- Green (0%)
- Blue (23%)



- Red (62%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (38%)





- Cyan (38%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8643, 7.5746, 4.6816 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 14.8643, 7.5746, 4.6816 by changing the saturation by 10% instead.


 14.8643, 7.5746,
4.6816


 14.8643, 7.5746,
4.6816


215.9481,
172.3563, 155.5243


 8.8099, 3.8240,
2.0062


 34.1886, 21.1202,
15.5535


 4.6735, 1.5756,
0.5591

 48.1891, 31.6839,
24.5871


 2.0898, 0.3411,
0.0000

 65.5691, 45.2874,
36.5772

 0.6836, 0.0000,
0.0000

 86.6939, 62.3152,
51.9424

 0.0000, 0.0000,
0.0000

 111.9289, 83.1516,
71.1012

 141.6393,

108.1809, 94.4720

176.1906,
137.7877, 122.4735

14.8643, 7.5746,
4.6816

14.8643, 7.5746,
4.6816

14.8639, 7.5744,
4.6797

15.3266, 8.0518,
6.2155

15.9822, 8.8320,
8.0707

16.8957, 10.0407,
10.2811

18.0953, 11.7308,
12.8673

19.6053, 13.9472,
15.8482

■ 21.4473, 16.7298,
19.2410

■ 23.6408, 20.1146,
23.0621

■ 26.2038, 24.1345,
27.3265

■ 29.1530, 28.8200,
32.0486

Harmonies

Analogous

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



14.7867, 7.5746, 13.9940



14.8643, 7.5746, 4.6816



12.5132, 7.5746, 1.0898

Triad

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



14.8643, 7.5746, 4.6816



3.7380, 7.5746, 0.9953



5.6595, 7.5746, 38.9552

Complementary

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



14.8643, 7.5746, 4.6816



14.5285, 25.3743, 16.1943

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.



3.6540, 7.5746, 27.3182



14.8643, 7.5746, 4.6816



2.7877, 7.5746, 4.3389

Square

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



14.8643, 7.5746, 4.6816



5.8133, 7.5746, 0.0000



2.7623, 7.5746, 13.2774



8.7901, 7.5746, 39.3430

Rectangle

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



14.8643, 7.5746, 4.6816



10.1962, 7.5746, 0.2363



2.7623, 7.5746, 13.2774



4.8562, 7.5746, 35.9857

Sweetspot

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



14.8645, 7.5751, 4.6817



42.6739, 36.1270, 41.4415



11.1488, 5.0349, 32.7319



9.2498, 7.5699, 8.7043



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.8645, 7.5751, 4.6817



26.9043, 13.7197, 8.0319



14.3244, 7.7166, 0.7351



6.7287, 6.6844, 7.4223



11.9221, 6.0734, 3.8410



0.2327, 0.1164, 0.1714

Inverse Universe

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



14.8645, 7.5751, 4.6817



26.9043, 13.7197, 8.0319



15.4871, 21.0993, 35.6040



6.7287, 6.6844, 7.4223



11.9221, 6.0734, 3.8410



0.2327, 0.1164, 0.1714

Previews

White Background



This preview shows how the XYZ color 14.8643, 7.5746, 4.6816 looks on a white background.

Color Contrast Check

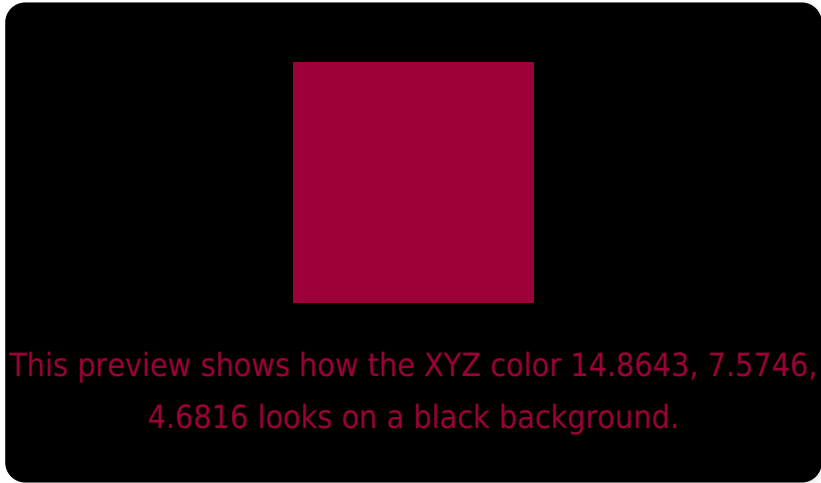
Large Text (above 18pt) WCAG AA ✓ Pass

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

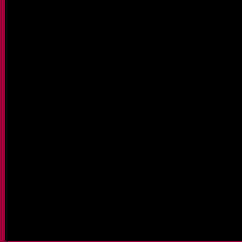
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8643, 7.5746, 4.6816

Background



This preview shows how black text looks on a background with the XYZ color 14.8643, 7.5746, 4.6816.



This preview shows how white text looks on a background with the XYZ color 14.8643, 7.5746,

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

14.8643, 7.5746, 4.6816

Protanopia

7.9017, 8.1425, 9.7495

Deuteranopia

8.2884, 8.1434, 4.2670



Tritanopia

14.3464, 7.8350, 1.4656

Trichromacy



Original Color

14.8643, 7.5746, 4.6816

Protanomaly

8.7605, 6.1269, 7.3775

Deuteranomaly

9.5099, 6.4560, 4.2349

Tritanomaly

14.3642, 7.6252, 2.2281

Monochromacy



Original Color

14.8643, 7.5746, 4.6816

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.6752, 3.6952, 4.0286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8643, 7.5746, 4.6816 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(158, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 58) }
```

Border

The CSS property to change the border of an element to XYZ 14.8643, 7.5746, 4.6816 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(158, 0, 58) }
```


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

```
.border{ border-color:rgb(158, 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(158, 0, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(158, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8643, 7.5746, 4.6816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 58) }
```

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

```
.background{ background-color: rgb(158, 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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