

Converting Colors

XYZ(17.4993, 8.9360, 4.6674)

Have a look what the booklet for
XYZ(17.4993, 8.9360, 4.6674)
contains.

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Color

**XYZ(17.5331, 8.9533,
4.6750)**

Conversions

Conversions Part 1

Format	Color
Hex	AB0039
RGB	171, 0, 57
RGB Percent	67%, 0%, 22%
CMY	0.3294, 0.9999, 0.7765
CMYK	0.00, 1.00, 0.67, 0.33
HSL	340°, 100%, 34%
HSV	340°, 100%, 67%
XYZ	17.5331, 8.9533, 4.6750
YIQ	57.6270, 83.6190, 53.9790

Conversions

Conversions Part 2

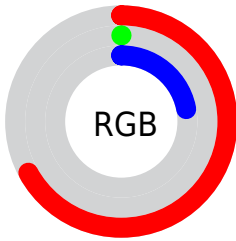
Format	Color
R_{YB}	171, 0, 57
Decimal	11206713
CIE Lab	35.89, 60.95, 19.44
CIE LCh	36, 63.971, 17.691
Yxy	8.9533, 0.5627, 0.2873
Android (android.graphics.Color)	4289396793 (0xFFAB0039)
YUV	57.6270, -0.3091, 99.4281
Hunter-Lab	29.9221, 52.2300, 11.6820

Details

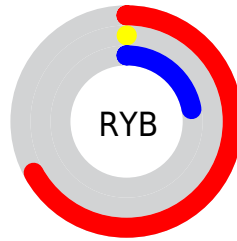
The XYZ color **17.5331, 8.9533, 4.6750** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.6018, 30.3413, 20.8558**, and the grayscale version is **3.9664, 4.1729, 4.5443**.

A 20% lighter version of the original color is **38.8989, 23.9151, 15.6626**, and **6.6418, 3.4140, 0.7608** is the 20% darker color. If you saturate the color by 10%, you get **17.5326, 8.9531, 4.6727**, and if you desaturate by 10%, it is **18.0526, 9.4850, 6.4127**.

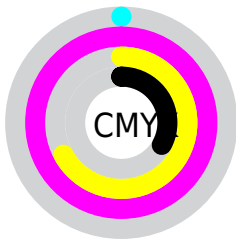
Distribution



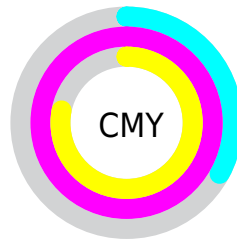
- Red (67%)
- Green (0%)
- Blue (22%)



- Red (67%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5331, 8.9533, 4.6750 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 17.5331, 8.9533, 4.6750 by changing the saturation by 10% instead.


 17.5331, 8.9533,
4.6750


 17.5331, 8.9533,
4.6750


231.3229,
183.0291, 155.4560


 10.7130, 4.7107,
2.0025


 38.7765, 23.8072,
15.5388


 5.9400, 2.0786,
0.5568


 53.9304, 35.1873,
24.5672


 2.8490, 0.6525,
0.0000

 72.5930, 49.7154,
36.5513

 1.0744, 0.0000,
0.0000

 95.1295, 67.7758,
51.9096

 0.0035, 0.0000,
0.0000

 121.9055, 89.7530,
71.0607

 0.0000, 0.0000,
0.0000

 153.2861,

116.0314, 94.4231

189.6368,
146.9953, 122.4154

■ 17.5331, 8.9533,
4.6750

■ 17.5331, 8.9533,
4.6750

■ 17.5326, 8.9531,
4.6727

■ 18.0526, 9.4850,
6.4127

■ 18.8137, 10.3912,
8.5656

■ 19.8898, 11.8130,
11.1759

■ 21.3160, 13.8152,
14.2719

■ 23.1223, 16.4531,
17.8793

■ 25.3356, 19.7753,
22.0215

■ 27.9799, 23.8257,
26.7204

■ 31.0776, 28.6446,
31.9967

■ 34.6494, 34.2692,
37.8699

Harmonies

Analogous

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



17.8220, 8.9533, 14.9203



17.5331, 8.9533, 4.6750



14.4313, 8.9533, 1.0203

Triad

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



17.5331, 8.9533, 4.6750



4.1719, 8.9533, 1.3607



7.0463, 8.9533, 47.7715

Complementary

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



17.5331, 8.9533, 4.6750



17.6018, 30.3413, 20.8558

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.



4.4806, 8.9533, 34.8293



17.5331, 8.9533, 4.6750



3.1840, 8.9533, 5.9359

Square

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



17.5331, 8.9533, 4.6750



6.4784, 8.9533, 0.0658



3.2771, 8.9533, 17.5834



10.9270, 8.9533, 46.3203

Rectangle

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



17.5331, 8.9533, 4.6750



11.5932, 8.9533, 0.1891



3.2771, 8.9533, 17.5834



6.0283, 8.9533, 44.7106

Sweetspot

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



17.5333, 8.9539, 4.6751



49.8319, 42.2402, 47.3696



14.2915, 6.5188, 39.0329



10.6629, 8.7280, 9.7729



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.5333, 8.9539, 4.6751



31.3119, 15.9994, 7.9038



17.2224, 9.5134, 0.9293



8.1112, 8.0577, 8.8965



13.2393, 6.7583, 3.6396



0.3941, 0.1983, 0.2371

Inverse Universe

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



17.5333, 8.9539, 4.6751



31.3119, 15.9994, 7.9038



17.0991, 22.4367, 41.9574



8.1112, 8.0577, 8.8965



13.2393, 6.7583, 3.6396



0.3941, 0.1983, 0.2371

Previews

White Background



This preview shows how the XYZ color 17.5331, 8.9533, 4.6750 looks on a white background.

Color Contrast Check

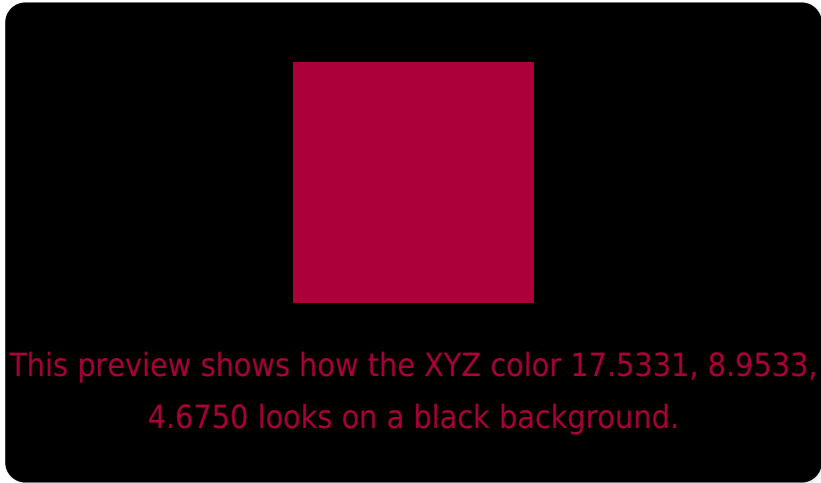
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5331, 8.9533, 4.6750

Background



This preview shows how black text looks on a background with the XYZ color 17.5331, 8.9533, 4.6750.



This preview shows how white text looks on a background with the XYZ color 17.5331, 8.9533,

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

17.5331, 8.9533, 4.6750

Protanopia

9.2249, 9.6301, 9.7601

Deuteranopia

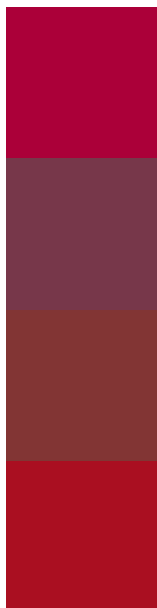
9.7110, 9.5341, 4.2342



Tritanopia

17.0102, 9.2093, 1.5429

Trichromacy



Original Color

17.5331, 8.9533, 4.6750

Protanomaly

10.2100, 7.1487, 7.3203

Deuteranomaly

11.0989, 7.5400, 4.1192

Tritanomaly

17.0229, 8.9975, 2.2783

Monochromacy



Original Color

17.5331, 8.9533, 4.6750

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5709, 4.2813, 4.4830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5331, 8.9533, 4.6750 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(171, 0, 57)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 57)  
}
```

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(171, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 57) }
```

Border

The CSS property to change the border of an element to XYZ 17.5331, 8.9533, 4.6750 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(171, 0, 57) }
```


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

```
.border{ border-color:rgb(171, 0, 57) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5331, 8.9533, 4.6750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 57) }
```

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

```
.background{ background-color: rgb(171, 0,  
57) }
```

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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