

Converting Colors

XYZ(16.8421, 8.2842, 3.5210)

Have a look what the booklet for
XYZ(16.8421, 8.2842, 3.5210)
contains.

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Color

**XYZ(17.1111, 8.7594,
3.5852)**

Conversions

Conversions Part 1

Format	Color
Hex	AA0030
RGB	170, 0, 48
RGB Percent	67%, 0%, 19%
CMY	0.3333, 0.9999, 0.8118
CMYK	0.00, 1.00, 0.72, 0.33
HSL	343°, 100%, 33%
HSV	343°, 100%, 67%
XYZ	17.1111, 8.7594, 3.5852
YIQ	56.3020, 85.9120, 50.9680

Conversions

Conversions Part 2

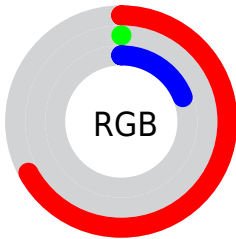
Format	Color
RYB	170, 0, 48
Decimal	11141168
CIELab	35.52, 60.27, 24.72
CIELCh	36, 65.142, 22.300
Yxy	8.7594, 0.5809, 0.2974
Android (android.graphics.Color)	4289331248 (0xFFAA0030)
YUV	56.3020, -4.0929, 99.7131
Hunter-Lab	29.5963, 51.4063, 13.5352

Details

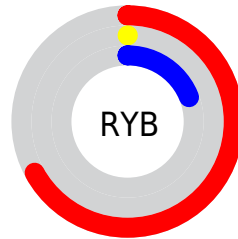
The XYZ color **17.1111, 8.7594, 3.5852** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.8893, 30.1553, 23.2976**, and the grayscale version is **3.7969, 3.9946, 4.3501**.

A 20% lighter version of the original color is **38.0235, 23.4127, 13.1047**, and **6.3176, 3.2556, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **17.1107, 8.7593, 3.5834**, and if you desaturate by 10%, it is **17.5993, 9.2761, 5.1659**.

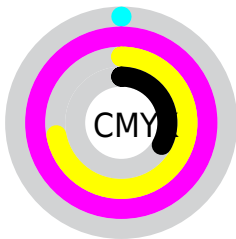
Distribution



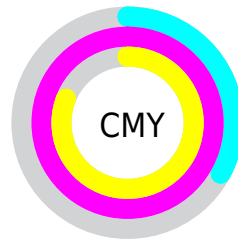
- Red (67%)
- Green (0%)
- Blue (19%)



- Red (67%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1111, 8.7594, 3.5852 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 17.1111, 8.7594, 3.5852 by changing the saturation by 10% instead.

 17.1111, 8.7594,
3.5852


 17.1111, 8.7594,
3.5852


228.9556,
181.5727, 143.4968


 10.4095, 4.5846,
1.4007


 38.0588, 23.4343,
13.0412


 5.7357, 2.0056,
0.1422

 53.0356, 34.7031,
21.1498


 2.7241, 0.6108,
0.0000

 71.5015, 49.1054,
32.0701

 1.0096, 0.0000,
0.0000

 93.8220, 67.0256,
46.2207

 0.0000, 0.0000,
0.0000

 120.3622, 88.8480,
64.0201

 151.4877,

114.9571, 85.8869

187.5637,
145.7372, 112.2397

17.1111, 8.7594,
3.5852

17.1111, 8.7594,
3.5852

17.1107, 8.7593,
3.5834

17.5993, 9.2761,
5.1659

18.3332, 10.1646,
7.1959

19.3865, 11.5654,
9.7229

20.7948, 13.5426,
12.7801

22.5887, 16.1511,
16.3974

■ 24.7953, 19.4391,
20.6021

■ 27.4393, 23.4502,
25.4200

■ 30.5433, 28.2243,
30.8749

■ 34.1283, 33.7985,
36.9895

Harmonies

Analogous

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



17.9021, 8.7594, 12.6343



17.1111, 8.7594, 3.5852



13.6581, 8.7594, 0.6777

Triad

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



17.1111, 8.7594, 3.5852



3.7697, 8.7594, 1.5999



7.3819, 8.7594, 49.1077

Complementary

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



17.1111, 8.7594, 3.5852



17.8893, 30.1553, 23.2976

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.



4.6006, 8.7594, 37.6391



17.1111, 8.7594, 3.5852



2.9708, 8.7594, 6.9932

Square

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



17.1111, 8.7594, 3.5852



5.8432, 8.7594, 0.0675



3.2199, 8.7594, 19.9218



11.4269, 8.7594, 45.1059

Rectangle

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



17.1111, 8.7594, 3.5852



10.7578, 8.7594, 0.0000



3.2199, 8.7594, 19.9218



6.2907, 8.7594, 46.7487

Sweetspot

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



17.1113, 8.7600, 3.5853



49.4966, 42.1061, 45.6041



15.2593, 7.0287, 38.5826



10.5820, 8.6956, 9.3466



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.



17.1113, 8.7600, 3.5853



30.9648, 15.8605, 6.0762



17.2346, 9.8600, 0.9955



7.6149, 7.5758, 8.2894



12.6080, 6.4519, 2.7475



0.3282, 0.1656, 0.1800

Inverse Universe

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



17.1113, 8.7600, 3.5853



30.9648, 15.8605, 6.0762



15.6670, 19.7245, 41.0116



7.6149, 7.5758, 8.2894



12.6080, 6.4519, 2.7475



0.3282, 0.1656, 0.1800

Previews

White Background



This preview shows how the XYZ color 17.1111, 8.7594, 3.5852 looks on a white background.

Color Contrast Check

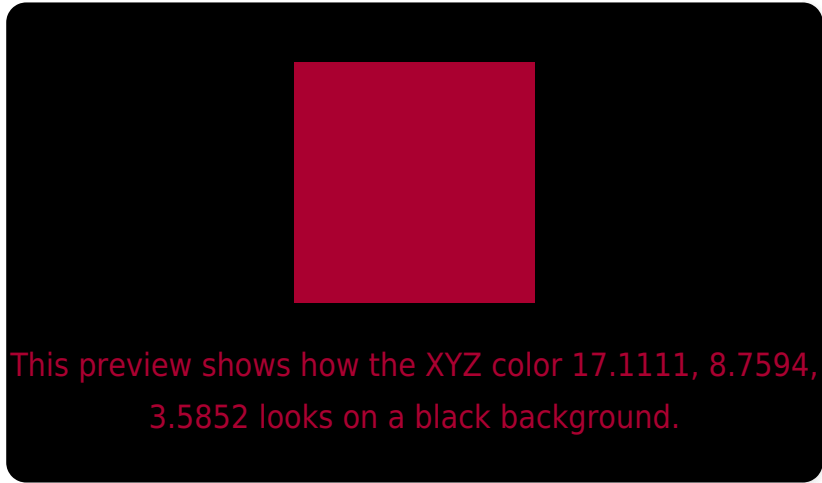
Large Text (above 18pt) WCAG AA ✓ Pass

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

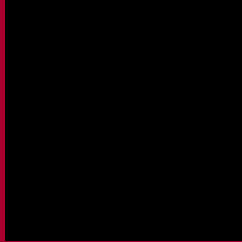
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.1111, 8.7594, 3.5852

Background



This preview shows how black text looks on a background with the XYZ color 17.1111, 8.7594, 3.5852.



This preview shows how white text looks on a background with the XYZ color 17.1111, 8.7594,

3.5852.

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

17.1111, 8.7594, 3.5852

Protanopia

8.8119, 9.3476, 7.4707

Deuteranopia

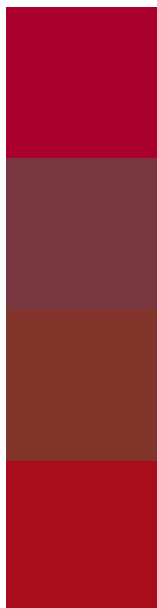
9.4469, 9.3069, 3.2180



Tritanopia

16.6986, 8.9698, 1.3032

Trichromacy



Original Color

17.1111, 8.7594, 3.5852

Protanomaly

10.0091, 7.0843, 5.5425

Deuteranomaly

10.8518, 7.3690, 3.0409

Tritanomaly

16.7039, 8.8020, 1.8555

Monochromacy



Original Color

17.1111, 8.7594, 3.5852

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.2032, 4.0602, 3.8249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1111, 8.7594, 3.5852 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(170, 0, 48)` looks like.

```
.text, #text, p{  
  color:rgb(170, 0, 48)  
}
```

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(170, 0, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 48) }
```

Border

The CSS property to change the border of an element to XYZ 17.1111, 8.7594, 3.5852 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(170, 0, 48) }
```


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

```
.border{ border-color:rgb(170, 0, 48) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 48);  
box-shadow:4px 4px 4px 4px rgb(170, 0, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1111, 8.7594, 3.5852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 48) }
```

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

```
.background{ background-color: rgb(170, 0,  
48) }
```

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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