

Converting Colors

XYZ(17.1500, 8.7596, 2.3735)

Have a look what the booklet for
XYZ(17.1500, 8.7596, 2.3735)
contains.

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Color

**XYZ(17.0980, 8.7793,
2.3835)**

Conversions

Conversions Part 1

Format	Color
Hex	AB0023
RGB	171, 0, 35
RGB Percent	67%, 0%, 14%
CMY	0.3294, 0.9999, 0.8627
CMYK	0.00, 1.00, 0.80, 0.33
HSL	348°, 100%, 34%
HSV	348°, 100%, 67%
XYZ	17.0980, 8.7793, 2.3835
YIQ	55.1190, 90.6810, 47.1370

Conversions

Conversions Part 2

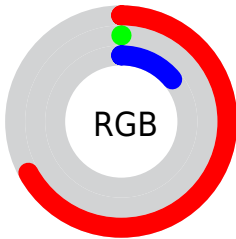
Format	Color
RYB	171, 0, 35
Decimal	11206691
CIELab	35.56, 60.03, 32.94
CIElCh	36, 68.474, 28.756
Yxy	8.7793, 0.6050, 0.3107
Android (android.graphics.Color)	4289396771 (0xFFAB0023)
YUV	55.1190, -9.9187, 101.6276
Hunter-Lab	29.6299, 51.1516, 15.9715

Details

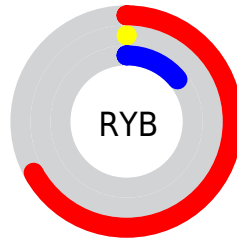
The XYZ color **17.0980, 8.7793, 2.3835** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **19.0092, 30.9042, 28.2664**, and the grayscale version is **3.6524, 3.8426, 4.1846**.

A 20% lighter version of the original color is **38.1040, 23.5204, 10.1210**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **17.0975, 8.7791, 2.3817**, and if you desaturate by 10%, it is **17.5430, 9.2812, 3.7287**.

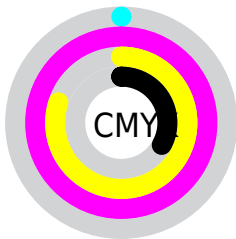
Distribution



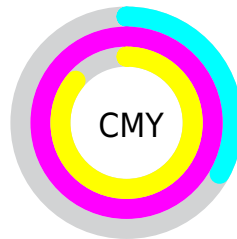
- Red (67%)
- Green (0%)
- Blue (14%)



- Red (67%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0980, 8.7793, 2.3835 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 17.0980, 8.7793, 2.3835 by changing the saturation by 10% instead.

■ 17.0980, 8.7793,
2.3835

■ 17.0980, 8.7793,
2.3835

228.8817,
181.7228, 128.0733

■ 10.4001, 4.5975,
0.7774

■ 38.0365, 23.4726,
10.0650

■ 5.7293, 2.0131,
0.0000

■ 53.0077, 34.7529,
16.9893

■ 2.7203, 0.6151,
0.0000

■ 71.4675, 49.1682,
26.5274

■ 1.0076, 0.0000,
0.0000

■ 93.7812, 67.1028,
39.0978


■ 0.0000, 0.0000,
0.0000


■ 120.3141, 88.9412,
55.1190


■ 151.4316,


115.0678, 75.0097


 187.4990,
145.8668, 99.1882


 17.0980, 8.7793,
2.3835


 17.0980, 8.7793,
2.3835


 17.0975, 8.7791,
2.3817

 17.5430, 9.2812,
3.7287

 18.2482, 10.1651,
5.5872

 19.2905, 11.5735,
8.0195

 20.7081, 13.5723,
11.0698

 22.5335, 16.2179,
14.7777

■ 24.7961, 19.5599,
19.1793

■ 27.5221, 23.6431,
24.3081

■ 30.7359, 28.5085,
30.1954

■ 34.4601, 34.1942,
36.8706

Harmonies

Analogous

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



18.6759, 8.7793, 10.0468



17.0980, 8.7793, 2.3835



13.0189, 8.7793, 0.1930

Triad

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



17.0980, 8.7793, 2.3835



3.3344, 8.7793, 2.0694



8.1781, 8.7793, 53.0213

Complementary

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



17.0980, 8.7793, 2.3835



19.0092, 30.9042, 28.2664

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.



4.9489, 8.7793, 43.6166



17.0980, 8.7793, 2.3835



2.7644, 8.7793, 9.0876

Square

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



17.0980, 8.7793, 2.3835



5.1565, 8.7793, 0.0890



3.2444, 8.7793, 24.6119



12.6326, 8.7793, 44.9492

Rectangle

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



17.0980, 8.7793, 2.3835



9.9407, 8.7793, 0.0000



3.2444, 8.7793, 24.6119



6.9290, 8.7793, 51.7198

Sweetspot

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



17.0982, 8.7799, 2.3836



49.0016, 41.9081, 42.9975



17.1755, 8.0056, 39.1679



10.4631, 8.6480, 8.7208



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.



17.0982, 8.7799, 2.3836



30.5592, 15.6983, 3.9404



17.8710, 10.8105, 1.1456



8.0698, 8.0412, 8.6782



12.9050, 6.6245, 1.8792



0.3779, 0.1919, 0.1519

Inverse Universe

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



17.0982, 8.7799, 2.3836



30.5592, 15.6983, 3.9404



14.3792, 16.9969, 41.0508



8.0698, 8.0412, 8.6782



12.9050, 6.6245, 1.8792



0.3779, 0.1919, 0.1519

Previews

White Background



This preview shows how the XYZ color 17.0980, 8.7793, 2.3835 looks on a white background.

Color Contrast Check

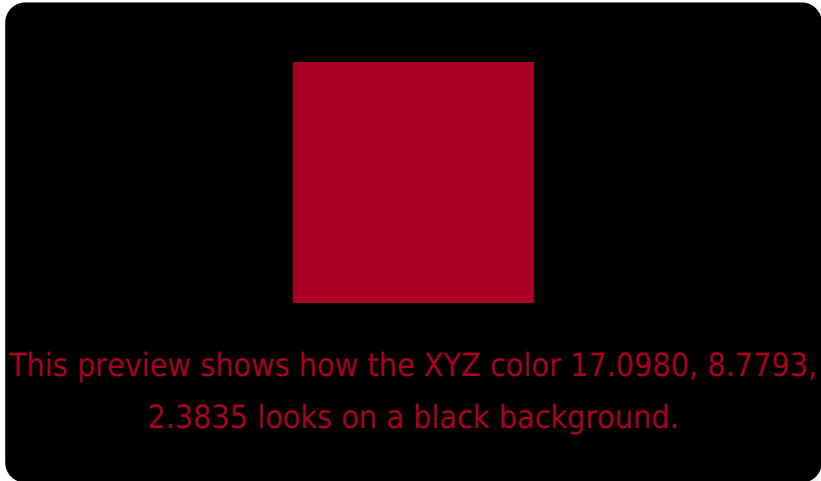
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0980, 8.7793, 2.3835

Background



This preview shows how black text looks on a background with the XYZ color 17.0980, 8.7793, 2.3835.



This preview shows how white text looks on a background with the XYZ color 17.0980, 8.7793,

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

17.0980, 8.7793, 2.3835

Protanopia

8.6901, 9.4624, 4.8584

Deuteranopia

9.4786, 9.3477, 2.1153

Trichromacy



Original Color

17.0980, 8.7793, 2.3835

Protanomaly

9.9053, 7.0752, 3.5329

Deuteranomaly

10.9415, 7.4406, 1.8964

Monochromacy



Original Color

17.0980, 8.7793, 2.3835

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.0643, 3.9569, 3.2404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0980, 8.7793, 2.3835 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, 35)` looks like.

```
.text, #text, p{  
  color:rgb(171, 0, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 35) }
```

Border

The CSS property to change the border of an element to XYZ 17.0980, 8.7793, 2.3835 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, 35) }
```

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

```
.border{ border-color:rgb(171, 0, 35) }
```

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, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 35)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.0980, 8.7793, 2.3835 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, 35) }
```

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

```
.background{ background-color: rgb(171, 0,  
35) }
```

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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