

Converting Colors

XYZ(17.2075, 8.8193, 3.1309)

Have a look what the booklet for
XYZ(17.2075, 8.8193, 3.1309)
contains.

XYZ(17.2492, 8.8398, 3.1800)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.2492, 8.8398,
3.1800)**

Conversions

Conversions Part 1

Format	Color
Hex	AB002C
RGB	171, 0, 44
RGB Percent	67%, 0%, 17%
CMY	0.3294, 0.9999, 0.8274
CMYK	0.00, 1.00, 0.74, 0.33
HSL	345°, 100%, 34%
HSV	345°, 100%, 67%
XYZ	17.2492, 8.8398, 3.1800
YIQ	56.1450, 87.7920, 49.9360

Conversions

Conversions Part 2

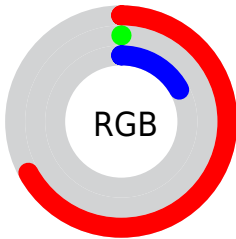
Format	Color
R_{YB}	171, 0, 44
Decimal	11206700
CIE Lab	35.67, 60.35, 27.50
CIE LCh	36, 66.321, 24.499
Yxy	8.8398, 0.5893, 0.3020
Android (android.graphics.Color)	4289396780 (0xFFAB002C)
YUV	56.1450, -5.9875, 100.7278
Hunter-Lab	29.7318, 51.5279, 14.4708

Details

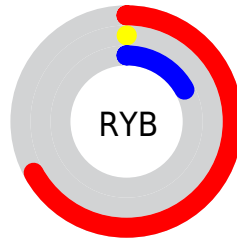
The XYZ color **17.2492, 8.8398, 3.1800** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.3958, 30.6588, 25.0368**, and the grayscale version is **3.7792, 3.9760, 4.3299**.

A 20% lighter version of the original color is **38.1318, 23.4937, 11.9762**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **17.2486, 8.8395, 3.1778**, and if you desaturate by 10%, it is **17.7280, 9.3552, 4.7035**.

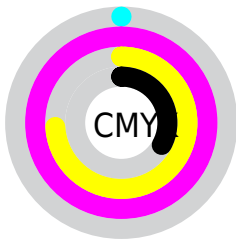
Distribution



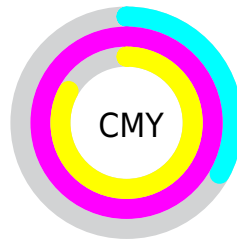
- Red (67%)
- Green (0%)
- Blue (17%)



- Red (67%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (33%)




- Cyan (33%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2492, 8.8398, 3.1800 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 17.2492, 8.8398, 3.1800 by changing the saturation by 10% instead.


 17.2492, 8.8398,
3.1800


 17.2492, 8.8398,
3.1800


229.7327,
182.1783, 138.6212


 10.5087, 4.6368,
1.1873


 38.2939, 23.5891,
12.0695


 5.8024, 2.0358,
0.0000

 53.3289, 34.9042,
19.8033


 2.7648, 0.6281,
0.0000

 71.8594, 49.3588,
30.2878

 1.0306, 0.0000,
0.0000

 94.2509, 67.3373,
43.9417

 0.0000, 0.0000,
0.0000

 120.8686, 89.2241,
61.1835

 152.0779,

115.4036, 82.4316

188.2441,
146.2602, 108.1046

17.2492, 8.8398,
3.1800

17.2492, 8.8398,
3.1800

17.2486, 8.8395,
3.1778

17.7280, 9.3552,
4.7035

18.4599, 10.2498,
6.7018

19.5198, 11.6653,
9.2268

20.9445, 13.6670,
12.3151

22.7656, 16.3109,
15.9997

■ 25.0111, 19.6461,
20.3111

■ 27.7062, 23.7170,
25.2772

■ 30.8745, 28.5642,
30.9246

■ 34.5375, 34.2255,
37.2780

Harmonies

Analogous

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



18.3057, 8.8398, 11.8361



17.2492, 8.8398, 3.1800



13.5575, 8.8398, 0.5254

Triad

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



17.2492, 8.8398, 3.1800



3.6533, 8.8398, 1.7611



7.7028, 8.8398, 50.7901

Complementary

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



17.2492, 8.8398, 3.1800



18.3958, 30.6588, 25.0368

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.



4.7537, 8.8398, 39.8709



17.2492, 8.8398, 3.1800



2.9267, 8.8398, 7.7080

Square

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



17.2492, 8.8398, 3.1800



5.6581, 8.8398, 0.0809



3.2557, 8.8398, 21.5730



11.9144, 8.8398, 45.4253

Rectangle

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



17.2492, 8.8398, 3.1800



10.5717, 8.8398, 0.0000



3.2557, 8.8398, 21.5730



6.5515, 8.8398, 48.7483

Sweetspot

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



17.2494, 8.8404, 3.1801



49.3348, 42.0413, 44.7519



15.8680, 7.3316, 39.1065



10.5430, 8.6800, 9.1416



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.



17.2494, 8.8404, 3.1801



30.8182, 15.8019, 5.3040



17.5508, 10.1703, 1.0389



8.0866, 8.0479, 8.7670



13.0218, 6.6713, 2.4942



0.3845, 0.1945, 0.1868

Inverse Universe

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



17.2494, 8.8404, 3.1801



30.8182, 15.8019, 5.3040



15.4816, 19.2017, 41.4181



8.0866, 8.0479, 8.7670



13.0218, 6.6713, 2.4942



0.3845, 0.1945, 0.1868

Previews

White Background



This preview shows how the XYZ color 17.2492, 8.8398, 3.1800 looks on a white background.

Color Contrast Check

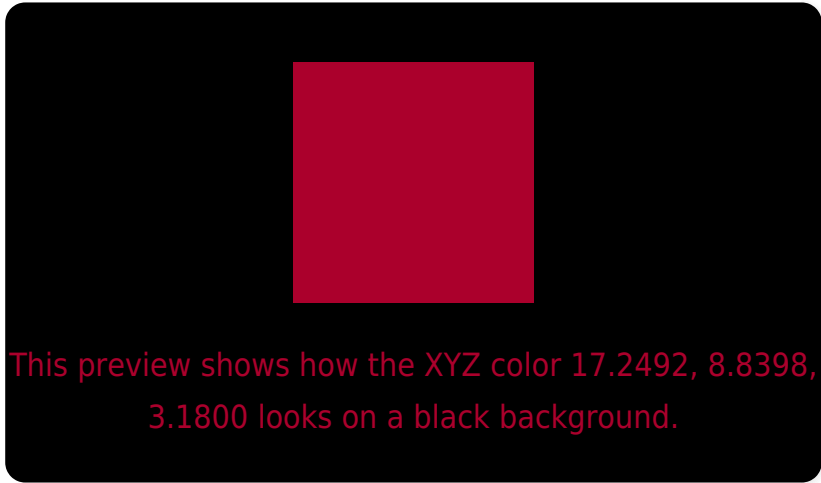
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2492, 8.8398, 3.1800

Background



This preview shows how black text looks on a background with the XYZ color 17.2492, 8.8398, 3.1800.



This preview shows how white text looks on a background with the XYZ color 17.2492, 8.8398,

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

17.2492, 8.8398, 3.1800

Protanopia

8.9058, 9.5369, 6.5257

Deuteranopia

9.5810, 9.4960, 2.9180



Tritanopia

16.8602, 9.0052, 1.1974

Trichromacy



Original Color

17.2492, 8.8398, 3.1800

Protanomaly

10.0151, 7.1028, 4.8461

Deuteranomaly

10.9830, 7.5114, 2.7047

Tritanomaly

16.8621, 8.8513, 1.6839

Monochromacy



Original Color

17.2492, 8.8398, 3.1800

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.2877, 4.1064, 3.7100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2492, 8.8398, 3.1800 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 44) }
```

Border

The CSS property to change the border of an element to XYZ 17.2492, 8.8398, 3.1800 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, 44) }
```


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

```
.border{ border-color:rgb(171, 0, 44) }
```

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, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2492, 8.8398, 3.1800 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, 44) }
```

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

```
.background{ background-color: rgb(171, 0,  
44) }
```

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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