

Converting Colors

XYZ(16.0786, 6.7361, 0.9939)

Have a look what the booklet for
XYZ(16.0786, 6.7361, 0.9939)
contains.

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Color

**XYZ(17.1144, 8.8111,
1.3290)**

Conversions

Conversions Part 1

Format	Color
Hex	AC0011
RGB	172, 0, 17
RGB Percent	67%, 0%, 7%
CMY	0.3255, 0.9999, 0.9333
CMYK	0.00, 1.00, 0.90, 0.33
HSL	354°, 100%, 34%
HSV	354°, 100%, 67%
XYZ	17.1144, 8.8111, 1.3290
YIQ	53.3660, 97.0550, 41.7510

Conversions

Conversions Part 2

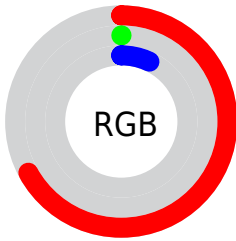
Format	Color
RYB	172, 0, 17
Decimal	11272209
CIELab	35.62, 59.85, 42.95
CIELCh	36, 73.667, 35.662
Yxy	8.8111, 0.6279, 0.3233
Android (android.graphics.Color)	4289462289 (0xFFAC0011)
YUV	53.3660, -17.9284, 104.0420
Hunter-Lab	29.6835, 50.9703, 18.1239

Details

The XYZ color **17.1144, 8.8111, 1.3290** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.6714, 31.8724, 36.0850**, and the grayscale version is **3.4432, 3.6225, 3.9449**.

A 20% lighter version of the original color is **38.1860, 23.6294, 7.1057**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **17.1141, 8.8110, 1.3279**, and if you desaturate by 10%, it is **17.4847, 9.2856, 2.2734**.

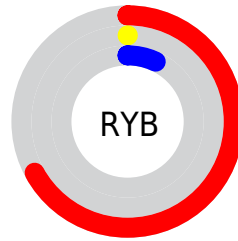
Distribution



Red (67%)

Green (0%)

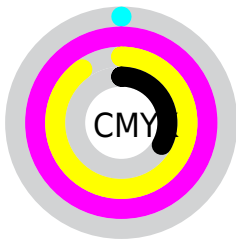
Blue (7%)



Red (67%)

Yellow (0%)

Blue (7%)

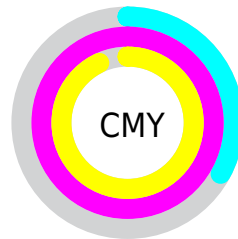


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (33%)



Cyan (33%)


Magenta (100%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.1144, 8.8111, 1.3290 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 17.1144, 8.8111, 1.3290 by changing the saturation by 10% instead.


 17.1144, 8.8111,
1.3290


 17.1144, 8.8111,
1.3290


 228.9742,
181.9624, 110.8897


 10.4119, 4.6182,
0.0854


 38.0644, 23.5339,
7.1083


 5.7373, 2.0250,
0.0000

 53.0426, 34.8325,
12.7211

 2.7251, 0.6219,
0.0000

 71.5101, 49.2684,
20.7074

 1.0101, 0.0000,
0.0000

 93.8322, 67.2262,
31.4857


 0.0000, 0.0000,
0.0000


 120.3743, 89.0900,
45.4745


 151.5018,

115.2444, 63.0925


 187.5800,
146.0737, 84.7580


 17.1144, 8.8111,
1.3290


 17.1144, 8.8111,
1.3290


 17.1141, 8.8110,
1.3279

 17.4847, 9.2856,
2.2734

 18.1311, 10.1527,
3.8010

 19.1360, 11.5581,
5.9997

 20.5423, 13.5704,
8.9358

 22.3866, 16.2481,
12.6670

■ 24.7014, 19.6427,
17.2457

■ 27.5160, 23.8007,
22.7196

■ 30.8575, 28.7647,
29.1330

■ 34.7510, 34.5741,
36.5270

Harmonies

Analogous

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



19.6796, 8.8111, 7.4301



17.1144, 8.8111, 1.3290



12.2920, 8.8111, 0.0000

Triad

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



17.1144, 8.8111, 1.3290



2.8520, 8.8111, 2.7440



9.2225, 8.8111, 58.1911

Complementary

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



17.1144, 8.8111, 1.3290



20.6714, 31.8724, 36.0850

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.



5.3930, 8.8111, 51.7865



17.1144, 8.8111, 1.3290



2.5246, 8.8111, 12.1414

Square

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



17.1144, 8.8111, 1.3290



4.4009, 8.8111, 0.1090



3.2712, 8.8111, 31.2639



14.2208, 8.8111, 44.8853

Rectangle

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



17.1144, 8.8111, 1.3290



9.0198, 8.8111, 0.0000



3.2712, 8.8111, 31.2639



7.7611, 8.8111, 58.3508

Sweetspot

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



17.1146, 8.8117, 1.3291



49.6110, 42.7227, 40.6228



20.9263, 9.9282, 39.8427



10.3099, 8.5868, 7.9141



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.



17.1146, 8.8117, 1.3291



31.0108, 15.9698, 2.2145



19.1301, 13.0044, 1.5027



8.0362, 8.0277, 8.5013



12.7458, 6.5609, 1.0409



0.3646, 0.1865, 0.0818

Inverse Universe

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



17.1146, 8.8117, 1.3291



31.0108, 15.9698, 2.2145



12.3179, 12.7213, 40.8356



8.0362, 8.0277, 8.5013



12.7458, 6.5609, 1.0409



0.3646, 0.1865, 0.0818

Previews

White Background



This preview shows how the XYZ color 17.1144, 8.8111, 1.3290 looks on a white background.

Color Contrast Check

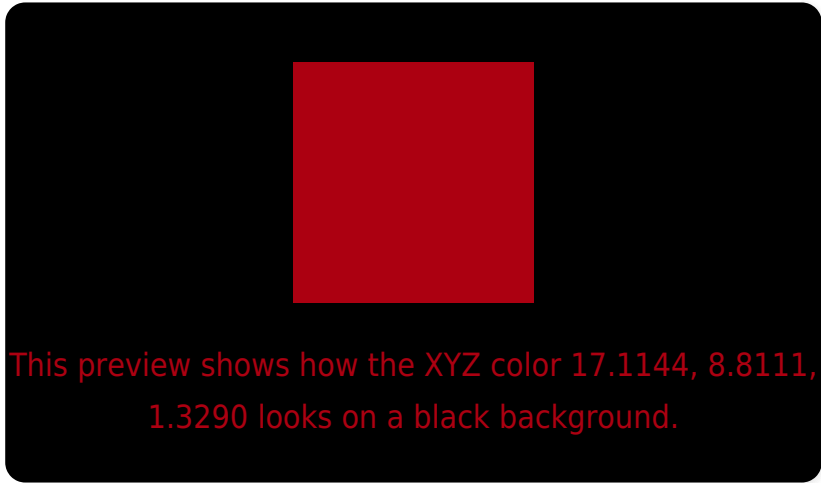
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1144, 8.8111, 1.3290

Background



This preview shows how black text looks on a background with the XYZ color 17.1144, 8.8111, 1.3290.



This preview shows how white text looks on a background with the XYZ color 17.1144, 8.8111,

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

17.1144, 8.8111, 1.3290

Protanopia

8.5987, 9.4621, 2.7397

Deuteranopia

9.4477, 9.3496, 1.3067



Tritanopia

16.9799, 9.0285, 0.8477

Trichromacy



Original Color

17.1144, 8.8111, 1.3290

Protanomaly

9.8762, 7.0966, 1.8862

Deuteranomaly

10.9337, 7.4557, 1.0351

Tritanomaly

16.9360, 8.8882, 0.9953

Monochromacy



Original Color

17.1144, 8.8111, 1.3290

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.7789, 3.7841, 2.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1144, 8.8111, 1.3290 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(172, 0, 17)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 17)  
}
```

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(172, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 17) }
```

Border

The CSS property to change the border of an element to XYZ 17.1144, 8.8111, 1.3290 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(172, 0, 17) }
```


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

```
.border{ border-color:rgb(172, 0, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 0, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(172, 0, 17)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1144, 8.8111, 1.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 0, 17) }
```

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

```
.background{ background-color: rgb(172, 0,  
17) }
```

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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