

Converting Colors

XYZ(15.9518, 6.1015, 2.2121)

Have a look what the booklet for
XYZ(15.9518, 6.1015, 2.2121)
contains.

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Color

**XYZ(17.3631, 8.9106,
2.6385)**

Conversions

Conversions Part 1

Format	Color
Hex	AC0026
RGB	172, 0, 38
RGB Percent	67%, 0%, 15%
CMY	0.3255, 0.9999, 0.8510
CMYK	0.00, 1.00, 0.78, 0.33
HSL	347°, 100%, 34%
HSV	347°, 100%, 67%
XYZ	17.3631, 8.9106, 2.6385
YIQ	55.7600, 90.3140, 48.2820

Conversions

Conversions Part 2

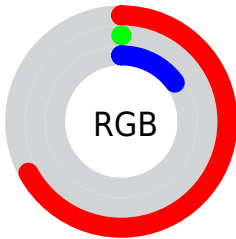
Format	Color
RYB	172, 0, 38
Decimal	11272230
CIELab	35.81, 60.38, 31.45
CIElCh	36, 68.081, 27.518
Yxy	8.9106, 0.6005, 0.3082
Android (android.graphics.Color)	4289462310 (0xFFAC0026)
YUV	55.7600, -8.7557, 101.9425
Hunter-Lab	29.8506, 51.5888, 15.6548

Details

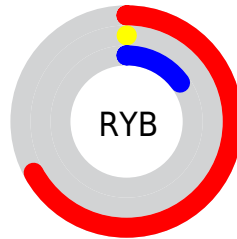
The XYZ color **17.3631, 8.9106, 2.6385** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **19.0578, 31.2270, 27.5877**, and the grayscale version is **3.7328, 3.9272, 4.2767**.

A 20% lighter version of the original color is **38.5467, 23.7355, 10.7334**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.3626, 8.9104, 2.6366**, and if you desaturate by 10%, it is **17.8236, 9.4212, 4.0578**.

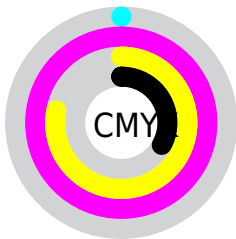
Distribution



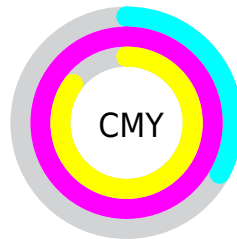
- Red (67%)
- Green (0%)
- Blue (15%)



- Red (67%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3631, 8.9106, 2.6385 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 17.3631, 8.9106, 2.6385 by changing the saturation by 10% instead.


 17.3631, 8.9106,
2.6385


 17.3631, 8.9106,
2.6385


230.3719,
182.7096, 131.6142


 10.5906, 4.6829,
0.9122


 38.4877, 23.7252,
10.7226


 5.8575, 2.0624,
0.0000

 53.5705, 35.0809,
17.9184


 2.7985, 0.6434,
0.0000

 72.1541, 49.5814,
27.7748

 1.0481, 0.0000,
0.0000

 94.6039, 67.6111,
40.7103


 0.0000, 0.0000,
0.0000


 121.2852, 89.5543,
57.1434

 152.5634,

115.7956, 77.4928


 188.8039,
146.7192, 102.1768


 17.3631, 8.9106,
2.6385


 17.3631, 8.9106,
2.6385


 17.3626, 8.9104,
2.6366

 17.8236, 9.4212,
4.0578

 18.5460, 10.3187,
5.9856

 19.6072, 11.7466,
8.4806

 21.0455, 13.7717,
11.5848

 22.8936, 16.4510,
15.3364

■ 25.1808, 19.8346,
19.7699

■ 27.9336, 23.9679,
24.9177

■ 31.1761, 28.8923,
30.8099

■ 34.9311, 34.6464,
37.4747

Harmonies

Analogous

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



18.8036, 8.9106, 10.6950



17.3631, 8.9106, 2.6385



13.3471, 8.9106, 0.3016

Triad

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



17.3631, 8.9106, 2.6385



3.4716, 8.9106, 1.9998



8.1382, 8.9106, 53.0209

Complementary

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



17.3631, 8.9106, 2.6385



19.0578, 31.2270, 27.5877

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.



4.9534, 8.9106, 43.0225



17.3631, 8.9106, 2.6385



2.8485, 8.9106, 8.7727

Square

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



17.3631, 8.9106, 2.6385



5.3710, 8.9106, 0.0955



3.2898, 8.9106, 23.9833



12.5756, 8.9106, 45.6682

Rectangle

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



17.3631, 8.9106, 2.6385



10.2561, 8.9106, 0.0000



3.2898, 8.9106, 23.9833



6.9030, 8.9106, 51.4740

Sweetspot

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



17.3633, 8.9112, 2.6386



50.3761, 43.0287, 44.6519



16.9425, 7.8745, 39.6564



10.4875, 8.6578, 8.8493



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.



17.3633, 8.9112, 2.6386



31.4306, 16.1377, 4.4250



17.9859, 10.7159, 1.1213



8.0750, 8.0432, 8.7055



12.9382, 6.6378, 2.0543



0.3800, 0.1927, 0.1627

Inverse Universe

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



17.3633, 8.9112, 2.6386



31.4306, 16.1377, 4.4250



14.9256, 17.9365, 41.7048



8.0750, 8.0432, 8.7055



12.9382, 6.6378, 2.0543



0.3800, 0.1927, 0.1627

Previews

White Background



This preview shows how the XYZ color 17.3631, 8.9106, 2.6385 looks on a white background.

Color Contrast Check

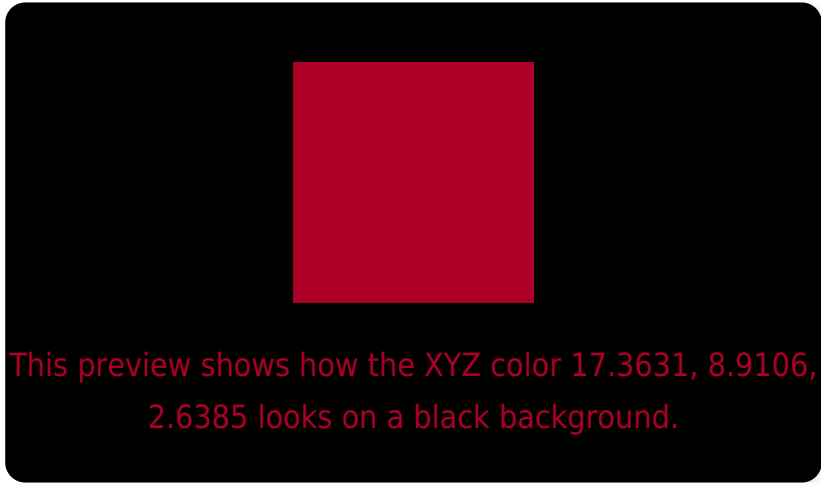
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3631, 8.9106, 2.6385

Background



This preview shows how black text looks on a background with the XYZ color 17.3631, 8.9106, 2.6385.



This preview shows how white text looks on a background with the XYZ color 17.3631, 8.9106,

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

17.3631, 8.9106, 2.6385

Protanopia

8.8912, 9.5548, 5.3786

Deuteranopia

9.5978, 9.5169, 2.3680



Tritanopia

17.2369, 9.1566, 1.0599

Trichromacy



Original Color

17.3631, 8.9106, 2.6385

Protanomaly

10.1321, 7.1823, 3.9843

Deuteranomaly

11.0361, 7.5507, 2.1721

Tritanomaly

17.2310, 9.0314, 1.4073

Monochromacy



Original Color

17.3631, 8.9106, 2.6385

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.2223, 4.0802, 3.3653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3631, 8.9106, 2.6385 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 38) }
```

Border

The CSS property to change the border of an element to XYZ 17.3631, 8.9106, 2.6385 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, 38) }
```


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

```
.border{ border-color:rgb(172, 0, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(172, 0, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.3631, 8.9106, 2.6385 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, 38) }
```

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

```
.background{ background-color: rgb(172, 0,  
38) }
```

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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