

Converting Colors

XYZ(17.8687, 9.2215, 4.8182)

Have a look what the booklet for
XYZ(17.8687, 9.2215, 4.8182)
contains.

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Color

**XYZ(17.8421, 9.2064,
4.8396)**

Conversions

Conversions Part 1

Format	Color
Hex	AC063A
RGB	172, 6, 58
RGB Percent	67%, 2%, 23%
CMY	0.3255, 0.9764, 0.7725
CMYK	0.00, 0.96, 0.66, 0.33
HSL	341°, 93%, 35%
HSV	341°, 96%, 67%
XYZ	17.8421, 9.2064, 4.8396
YIQ	61.5620, 82.2440, 51.3640

Conversions

Conversions Part 2

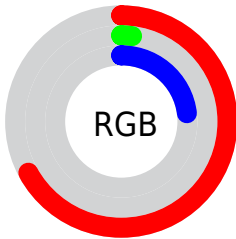
Format	Color
RYB	172, 6, 58
Decimal	11273786
CIELab	36.38, 60.52, 19.46
CIELCh	36, 63.572, 17.827
Yxy	9.2064, 0.5595, 0.2887
Android (android.graphics.Color)	4289463866 (0xFFAC063A)
YUV	61.5620, -1.7561, 96.8541
Hunter-Lab	30.3421, 51.8651, 11.7826

Details

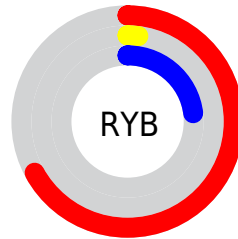
The XYZ color **17.8421, 9.2064, 4.8396** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.2198, 30.9005, 22.7825**, and the grayscale version is **4.5121, 4.7471, 5.1696**.

A 20% lighter version of the original color is **39.4239, 24.3972, 15.9959**, and **6.7833, 3.4852, 0.8455** is the 20% darker color. If you saturate the color by 10%, you get **17.6757, 9.0356, 4.2851**, and if you desaturate by 10%, it is **18.4237, 9.8324, 6.6904**.

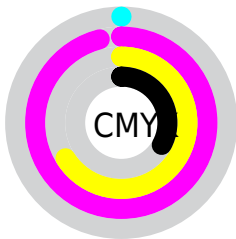
Distribution



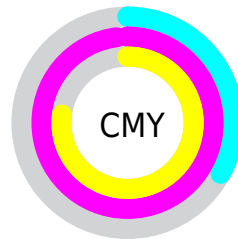
- Red (67%)
- Green (2%)
- Blue (23%)



- Red (67%)
- Yellow (2%)
- Blue (23%)



- Cyan (0%)
- Magenta (96%)
- Yellow (66%)
- Black (33%)



- Cyan (33%)
- Magenta (98%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8421, 9.2064, 4.8396 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 17.8421, 9.2064, 4.8396 by changing the saturation by 10% instead.


 17.8421, 9.2064,
4.8396


 17.8421, 9.2064,
4.8396


233.0424,
184.9102, 157.1446


 10.9357, 4.8761,
2.0964


 39.3003, 24.2917,
15.9040


 6.0906, 2.1747,
0.6136


 54.5828, 35.8155,
25.0623


 2.9414, 0.7062,
0.0000

 73.3880, 50.5058,
37.1959

 1.1229, 0.0000,
0.0000

 96.0812, 68.7471,
52.7236

 0.0441, 0.0000,
0.0000

 123.0280, 90.9239,
72.0637

 0.0000, 0.0000,
0.0000

 154.5935,

117.4204, 95.6349

191.1432,
148.6210, 123.8557

■ 17.8421, 9.2064,
4.8396

■ 17.8421, 9.2064,
4.8396

■ 17.6757, 9.0356,
4.2851

■ 18.4237, 9.8324,
6.6904

■ 19.2954, 10.9208,
8.9996

■ 20.5030, 12.5576,
11.8022

■ 22.0806, 14.8048,
15.1276

■ 24.0578, 17.7159,
19.0029

■ 26.4610, 21.3387,
23.4528

■ 29.3143, 25.7163,
28.5006

■ 32.6398, 30.8886,
34.1681

■ 36.4585, 36.8926,
40.4762

Harmonies

Analogous

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



18.1473, 9.2064, 15.1834



17.8421, 9.2064, 4.8396



14.7103, 9.2064, 1.0968

Triad

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



17.8421, 9.2064, 4.8396



4.3359, 9.2064, 1.4705



7.2825, 9.2064, 48.2236

Complementary

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



17.8421, 9.2064, 4.8396



18.2198, 30.9005, 22.7825

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.



4.6668, 9.2064, 35.3221



17.8421, 9.2064, 4.8396



3.3312, 9.2064, 6.1902

Square

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



17.8421, 9.2064, 4.8396



6.6769, 9.2064, 0.1540



3.4313, 9.2064, 18.0023



11.2141, 9.2064, 46.6996

Rectangle

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



17.8421, 9.2064, 4.8396



11.8470, 9.2064, 0.2692



3.4313, 9.2064, 18.0023



6.2467, 9.2064, 45.1849

Sweetspot

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



17.8423, 9.2070, 4.8397



51.5264, 44.1023, 48.8176



15.1804, 7.0627, 39.5926



10.7342, 8.8733, 9.7886



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.



17.8423, 9.2070, 4.8397



31.9785, 16.3569, 7.3104



17.6910, 10.0734, 1.1851



8.1047, 8.0551, 8.8621



13.1760, 6.7329, 3.3062



0.3916, 0.1973, 0.2238

Inverse Universe

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



17.8423, 9.2070, 4.8397



31.9785, 16.3569, 7.3104



17.1312, 22.2362, 42.4186



8.1047, 8.0551, 8.8621



13.1760, 6.7329, 3.3062



0.3916, 0.1973, 0.2238

Previews

White Background



This preview shows how the XYZ color 17.8421, 9.2064, 4.8396 looks on a white background.

Color Contrast Check

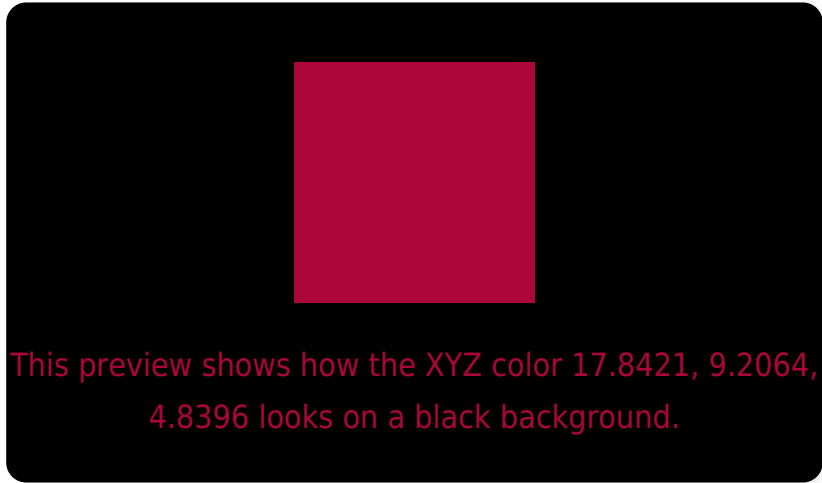
Large Text (above 18pt) WCAG AA ✓ Pass

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

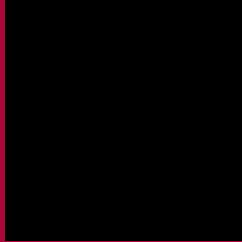
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8421, 9.2064, 4.8396

Background



This preview shows how black text looks on a background with the XYZ color 17.8421, 9.2064, 4.8396.



This preview shows how white text looks on a background with the XYZ color 17.8421, 9.2064,

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

17.8421, 9.2064, 4.8396

Protanopia

9.3459, 9.8090, 9.9951

Deuteranopia

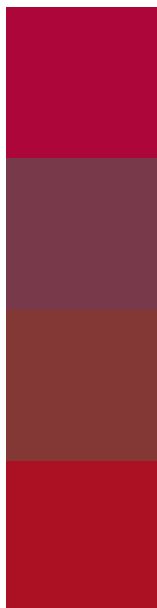
9.8095, 9.6967, 4.3723



Tritanopia

17.2566, 9.3653, 1.6076

Trichromacy



Original Color

17.8421, 9.2064, 4.8396

Protanomaly

10.5288, 7.5272, 7.5546

Deuteranomaly

11.4168, 7.9107, 4.2933

Tritanomaly

17.2838, 9.1743, 2.3732

Monochromacy



Original Color

17.8421, 9.2064, 4.8396

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.1498, 4.8176, 4.9679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8421, 9.2064, 4.8396 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, 6, 58)` looks like.

```
.text, #text, p{  
    color:rgb(172, 6, 58)  
}
```

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, 6, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 6, 58) }
```

Border

The CSS property to change the border of an element to XYZ 17.8421, 9.2064, 4.8396 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, 6, 58) }
```


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

```
.border{ border-color:rgb(172, 6, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 6, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 6, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 6, 58);  
box-shadow:4px 4px 4px 4px rgb(172, 6, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8421, 9.2064, 4.8396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 6, 58) }
```

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

```
.background{ background-color: rgb(172, 6,  
58) }
```

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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