

Converting Colors

XYZ(15.5254, 4.2812, 4.9848)

Have a look what the booklet for
XYZ(15.5254, 4.2812, 4.9848)
contains.

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Color

**XYZ(17.9674, 9.1523,
5.8206)**

Conversions

Conversions Part 1

Format	Color
Hex	AC0041
RGB	172, 0, 65
RGB Percent	67%, 0%, 25%
CMY	0.3255, 0.9999, 0.7451
CMYK	0.00, 1.00, 0.62, 0.33
HSL	337°, 100%, 34%
HSV	337°, 100%, 67%
XYZ	17.9674, 9.1523, 5.8206
YIQ	58.8380, 81.6470, 56.6790

Conversions

Conversions Part 2

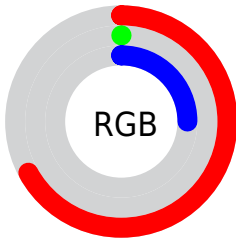
Format	Color
R_{YB}	172, 0, 65
Decimal	11272257
CIE _{Lab}	36.28, 61.63, 14.79
CIE _{LCh}	36, 63.381, 13.494
Yxy	9.1523, 0.5455, 0.2778
Android (android.graphics.Color)	4289462337 (0xFFAC0041)
YUV	58.8380, 3.0379, 99.2431
Hunter-Lab	30.2528, 53.0705, 9.7696

Details

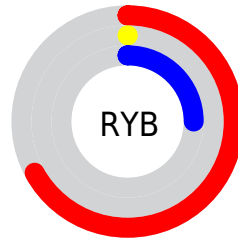
The XYZ color **17.9674, 9.1523, 5.8206** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.4081, 30.5672, 18.8999**, and the grayscale version is **4.1251, 4.3399, 4.7262**.

A 20% lighter version of the original color is **39.3249, 24.0855, 17.9055**, and **6.8367, 3.5066, 1.1271** is the 20% darker color. If you saturate the color by 10%, you get **17.9668, 9.1521, 5.8181**, and if you desaturate by 10%, it is **18.5113, 9.6963, 7.6792**.

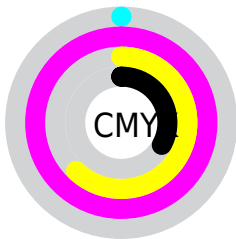
Distribution



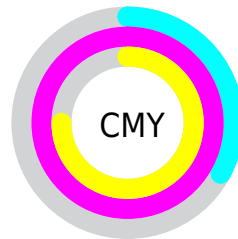
- Red (67%)
- Green (0%)
- Blue (25%)



- Red (67%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.9674, 9.1523, 5.8206 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 17.9674, 9.1523, 5.8206 by changing the saturation by 10% instead.


 17.9674, 9.1523,
5.8206


 17.9674, 9.1523,
5.8206


233.7364,
184.5100, 166.7093


 11.0261, 4.8407,
2.6693


 39.5123, 24.1884,
18.0286


 6.1518, 2.1541,
0.9279


 54.8466, 35.6816,
27.9223


 2.9792, 0.6948,
0.0000

 73.7093, 50.3374,
40.9006

 1.1428, 0.0000,
0.0000

 96.4658, 68.5403,
57.3820

 0.0604, 0.0000,
0.0000

 123.4814, 90.6746,
77.7850

 0.0000, 0.0000,
0.0000

 155.1215,

117.1247, 102.5282

191.7513,
148.2750, 132.0301

■ 17.9674, 9.1523,
5.8206

■ 17.9674, 9.1523,
5.8206

■ 17.9668, 9.1521,
5.8181

■ 18.5113, 9.6963,
7.6792

■ 19.2935, 10.6177,
9.9221

■ 20.3872, 12.0585,
12.5880

■ 21.8272, 14.0842,
15.7016

■ 23.6434, 16.7506,
19.2854

■ 25.8625, 20.1069,
23.3601

■ 28.5082, 24.1973,
27.9448

■ 31.6028, 29.0625,
33.0578

■ 35.1666, 34.7401,
38.7160

Harmonies

Analogous

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



17.8059, 9.1523, 17.2111



17.9674, 9.1523, 5.8206



15.1848, 9.1523, 1.3691

Triad

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



17.9674, 9.1523, 5.8206



4.5616, 9.1523, 1.1714



6.7756, 9.1523, 46.7668

Complementary

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



17.9674, 9.1523, 5.8206



17.4081, 30.5672, 18.8999

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.



4.3865, 9.1523, 32.5685



17.9674, 9.1523, 5.8206



3.3883, 9.1523, 5.1062

Square

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



17.9674, 9.1523, 5.8206



7.0960, 9.1523, 0.0639



3.3353, 9.1523, 15.7199



10.5268, 9.1523, 47.5730

Rectangle

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



17.9674, 9.1523, 5.8206



12.4035, 9.1523, 0.4073



3.3353, 9.1523, 15.7199



5.8170, 9.1523, 43.1012

Sweetspot

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



17.9676, 9.1529, 5.8207



51.4319, 43.4510, 50.2112



13.3997, 6.0480, 39.4907



10.7356, 8.7571, 10.1560



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.



17.9676, 9.1529, 5.8207



32.4956, 16.5637, 10.0331



17.2651, 9.2742, 0.8809



8.1257, 8.0635, 8.9730



13.3952, 6.8206, 4.4607



0.3997, 0.2006, 0.2666

Inverse Universe

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



17.9676, 9.1529, 5.8207



32.4956, 16.5637, 10.0331



18.6646, 25.4145, 42.9513



8.1257, 8.0635, 8.9730



13.3952, 6.8206, 4.4607



0.3997, 0.2006, 0.2666

Previews

White Background



This preview shows how the XYZ color 17.9674, 9.1523, 5.8206 looks on a white background.

Color Contrast Check

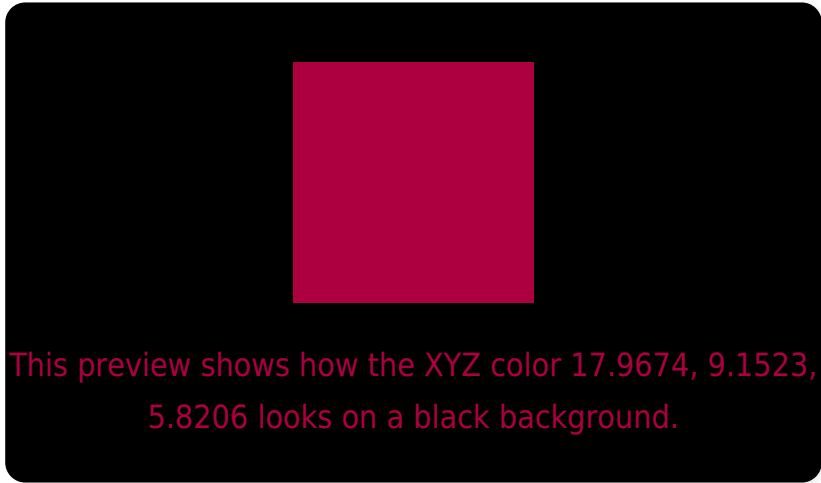
Large Text (above 18pt) WCAG AA ✓ Pass

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

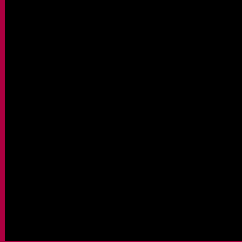
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9674, 9.1523, 5.8206

Background



This preview shows how black text looks on a background with the XYZ color 17.9674, 9.1523, 5.8206.



This preview shows how white text looks on a background with the XYZ color 17.9674, 9.1523,

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

17.9674, 9.1523, 5.8206

Protanopia

9.5798, 9.8804, 12.2287

Deuteranopia

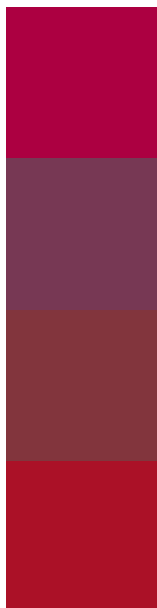
9.8779, 9.7103, 5.3566



Tritanopia

17.3289, 9.4627, 1.7773

Trichromacy



Original Color

17.9674, 9.1523, 5.8206

Protanomaly

10.6222, 7.3904, 9.2541

Deuteranomaly

11.3213, 7.6290, 5.2907

Tritanomaly

17.3612, 9.2053, 2.7812

Monochromacy



Original Color

17.9674, 9.1523, 5.8206

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.7909, 4.4325, 4.9125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9674, 9.1523, 5.8206 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 65) }
```

Border

The CSS property to change the border of an element to XYZ 17.9674, 9.1523, 5.8206 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, 65) }
```


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

```
.border{ border-color:rgb(172, 0, 65) }
```

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, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(172, 0, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.9674, 9.1523, 5.8206 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, 65) }
```

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

```
.background{ background-color: rgb(172, 0,  
65) }
```

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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