

Converting Colors

XYZ(17.9748, 9.1912, 4.2432)

Have a look what the booklet for
XYZ(17.9748, 9.1912, 4.2432)
contains.

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Color

**XYZ(17.8762, 9.1413,
4.1904)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0035
RGB	173, 0, 53
RGB Percent	68%, 0%, 21%
CMY	0.3216, 0.9999, 0.7922
CMYK	0.00, 1.00, 0.69, 0.32
HSL	342°, 100%, 34%
HSV	342°, 100%, 68%
XYZ	17.8762, 9.1413, 4.1904
YIQ	57.7690, 86.0950, 53.1590

Conversions

Conversions Part 2

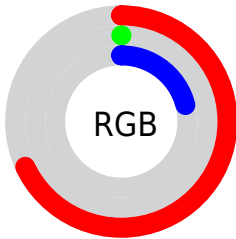
Format	Color
R_{YB}	173, 0, 53
Decimal	11337781
CIE _{Lab}	36.25, 61.24, 22.57
CIE _{LCh}	36, 65.262, 20.233
Yxy	9.1413, 0.5728, 0.2929
Android (android.graphics.Color)	4289527861 (0xFFAD0035)
YUV	57.7690, -2.3511, 101.0576
Hunter-Lab	30.2346, 52.6276, 12.9468

Details

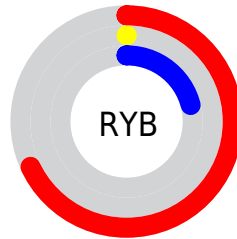
The XYZ color **17.8762, 9.1413, 4.1904** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.3358, 31.2439, 22.8429**, and the grayscale version is **3.9879, 4.1956, 4.5690**.

A 20% lighter version of the original color is **39.3091, 24.1550, 14.3949**, and **6.7369, 3.4667, 0.6012** is the 20% darker color. If you saturate the color by 10%, you get **17.8756, 9.1410, 4.1879**, and if you desaturate by 10%, it is **18.3933, 9.6771, 5.8998**.

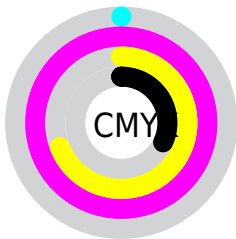
Distribution



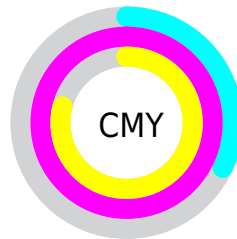
- Red (68%)
- Green (0%)
- Blue (21%)



- Red (68%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (32%)





- Cyan (32%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8762, 9.1413, 4.1904 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 17.8762, 9.1413, 4.1904 by changing the saturation by 10% instead.


 17.8762, 9.1413,
4.1904


 17.8762, 9.1413,
4.1904


233.2314,
184.4285, 150.3187


 10.9603, 4.8335,
1.7304


 39.3580, 24.1673,
14.4466


 6.1072, 2.1499,
0.3814


 54.6546, 35.6543,
23.0797


 2.9517, 0.6925,
0.0000

 73.4755, 50.3031,
34.6078

 1.1283, 0.0000,
0.0000

 96.1860, 68.4982,
49.4491

 0.0486, 0.0000,
0.0000

 123.1515, 90.6238,
68.0223

 0.0000, 0.0000,
0.0000

 154.7373,

117.0645, 90.7460

191.3088,
148.2046, 118.0386

■ 17.8762, 9.1413,
4.1904

■ 17.8762, 9.1413,
4.1904

■ 17.8756, 9.1410,
4.1879

■ 18.3933, 9.6771,
5.8998

■ 19.1634, 10.6004,
8.0580

■ 20.2618, 12.0553,
10.7115

■ 21.7251, 14.1085,
13.8922

■ 23.5849, 16.8171,
17.6287

■ 25.8691, 20.2315,
21.9477

■ 28.6030, 24.3970,
26.8738

■ 31.8098, 29.3550,
32.4301

■ 35.5112, 35.1442,
38.6385

Harmonies

Analogous

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



18.4592, 9.1413, 14.0921



17.8762, 9.1413, 4.1904



14.4704, 9.1413, 0.8630

Triad

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



17.8762, 9.1413, 4.1904



4.0802, 9.1413, 1.5382



7.4692, 9.1413, 50.1078

Complementary

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



17.8762, 9.1413, 4.1904



18.3358, 31.2439, 22.8429

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.



4.6975, 9.1413, 37.5543



17.8762, 9.1413, 4.1904



3.1686, 9.1413, 6.7164

Square

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



17.8762, 9.1413, 4.1904



6.3296, 9.1413, 0.0890



3.3541, 9.1413, 19.4642



11.5709, 9.1413, 47.1677

Rectangle

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



17.8762, 9.1413, 4.1904



11.5012, 9.1413, 0.0763



3.3541, 9.1413, 19.4642



6.3764, 9.1413, 47.3376

Sweetspot

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



17.8764, 9.1419, 4.1905



50.9405, 43.2545, 47.6238



15.0450, 6.8851, 40.0709



10.6197, 8.7107, 9.5456



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.



17.8764, 9.1419, 4.1905



31.9301, 16.3375, 7.0553



17.7432, 9.9034, 0.9772



8.1025, 8.0542, 8.8504



13.1553, 6.7246, 3.1970



0.3907, 0.1970, 0.2192

Inverse Universe

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



17.8764, 9.1419, 4.1905



31.9301, 16.3375, 7.0553



17.1106, 22.1522, 42.9089



8.1025, 8.0542, 8.8504



13.1553, 6.7246, 3.1970



0.3907, 0.1970, 0.2192

Previews

White Background



This preview shows how the XYZ color 17.8762, 9.1413, 4.1904 looks on a white background.

Color Contrast Check

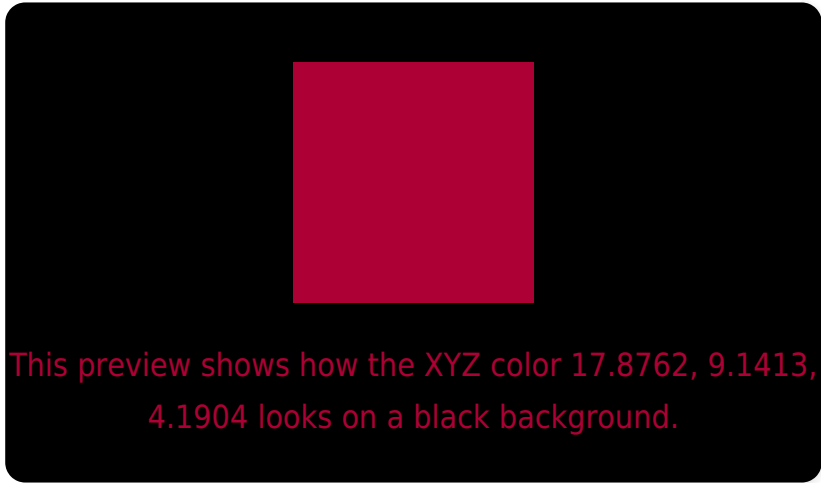
Large Text (above 18pt) WCAG AA ✓ Pass

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

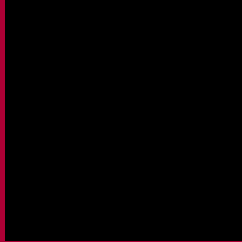
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8762, 9.1413, 4.1904

Background



This preview shows how black text looks on a background with the XYZ color 17.8762, 9.1413, 4.1904.



This preview shows how white text looks on a background with the XYZ color 17.8762, 9.1413,

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

17.8762, 9.1413, 4.1904

Protanopia

9.3146, 9.8193, 8.8015

Deuteranopia

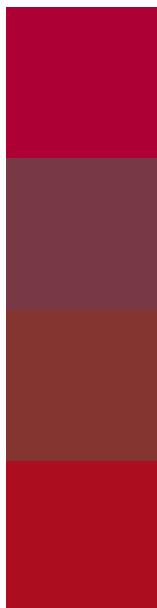
9.8283, 9.7183, 3.8404



Tritanopia

17.4093, 9.3881, 1.4668

Trichromacy



Original Color

17.8762, 9.1413, 4.1904

Protanomaly

10.4048, 7.3355, 6.6618

Deuteranomaly

11.3223, 7.6651, 3.6791

Tritanomaly

17.4176, 9.1837, 2.1509

Monochromacy



Original Color

17.8762, 9.1413, 4.1904

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.6309, 4.3180, 4.2253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8762, 9.1413, 4.1904 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(173, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 53)  
}
```

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(173, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 53) }
```

Border

The CSS property to change the border of an element to XYZ 17.8762, 9.1413, 4.1904 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(173, 0, 53) }
```


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

```
.border{ border-color:rgb(173, 0, 53) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8762, 9.1413, 4.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 53) }
```

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

```
.background{ background-color: rgb(173, 0,  
53) }
```

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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