

Converting Colors

XYZ(17.6231, 8.9651, 6.2754)

Have a look what the booklet for
XYZ(17.6231, 8.9651, 6.2754)
contains.

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Color

**XYZ(17.6210, 8.9634,
6.2702)**

Conversions

Conversions Part 1

Format	Color
Hex	AA0044
RGB	170, 0, 68
RGB Percent	67%, 0%, 27%
CMY	0.3333, 0.9999, 0.7333
CMYK	0.00, 1.00, 0.60, 0.33
HSL	336°, 100%, 33%
HSV	336°, 100%, 67%
XYZ	17.6210, 8.9634, 6.2702
YIQ	58.5820, 79.4920, 57.1880

Conversions

Conversions Part 2

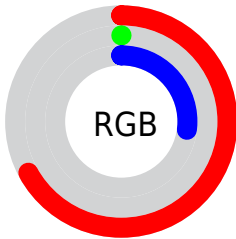
Format	Color
R_{YB}	170, 0, 68
Decimal	11141188
CIE _{Lab}	35.91, 61.34, 12.27
CIE _{LCh}	36, 62.552, 11.315
Yxy	8.9634, 0.5363, 0.2728
Android (android.graphics.Color)	4289331268 (0xFFAA0044)
YUV	58.5820, 4.6431, 97.7136
Hunter-Lab	29.9389, 52.6656, 8.5400

Details

The XYZ color **17.6210, 8.9634, 6.2702** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.7746, 29.7094, 17.4273**, and the grayscale version is **4.0884, 4.3013, 4.6841**.

A 20% lighter version of the original color is **38.9034, 23.8418, 19.0745**, and **6.6169, 3.3896, 1.2828** is the 20% darker color. If you saturate the color by 10%, you get **17.6205, 8.9632, 6.2678**, and if you desaturate by 10%, it is **18.1608, 9.5007, 8.1223**.

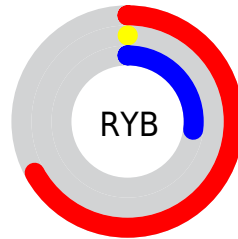
Distribution



Red (67%)

Green (0%)

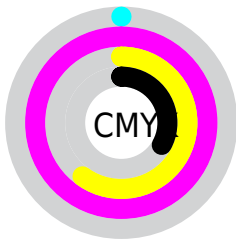
Blue (27%)



Red (67%)

Yellow (0%)

Blue (27%)

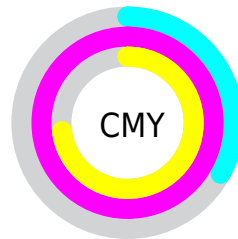


Cyan (0%)

Magenta (100%)

Yellow (60%)

Black (33%)



Cyan (33%)


Magenta (100%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6210, 8.9634, 6.2702 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 17.6210, 8.9634, 6.2702 by changing the saturation by 10% instead.


 17.6210, 8.9634,
6.2702


 17.6210, 8.9634,
6.2702


231.8132,
183.1046, 170.8479


 10.7763, 4.7173,
2.9386


 38.9256, 23.8266,
18.9765

 5.9828, 2.0824,
1.0634


 54.1162, 35.2124,
29.1882


 2.8752, 0.6547,
0.0000

 72.8195, 49.7470,
42.5305

 1.0881, 0.0000,
0.0000

 95.4007, 67.8147,
59.4218

 0.0151, 0.0000,
0.0000

 122.2254, 89.8000,
80.2806

 0.0000, 0.0000,
0.0000

 153.6588,

116.0871, 105.5256

190.0663,
147.0605, 135.5751

■ 17.6210, 8.9634,
6.2702

■ 17.6210, 8.9634,
6.2702

■ 17.6205, 8.9632,
6.2678

■ 18.1608, 9.5007,
8.1223

■ 18.9285, 10.4028,
10.3306

■ 19.9958, 11.8092,
12.9310

■ 21.3961, 13.7833,
15.9461

■ 23.1583, 16.3791,
19.3961

■ 25.3078, 19.6443,
23.2997

■ 27.8677, 23.6219,
27.6744

■ 30.8591, 28.3511,
32.5365

■ 34.3018, 33.8684,
37.9017

Harmonies

Analogous

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



17.2380, 8.9634, 17.8918



17.6210, 8.9634, 6.2702



15.0912, 8.9634, 1.5250

Triad

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



17.6210, 8.9634, 6.2702



4.6195, 8.9634, 1.0466



6.4295, 8.9634, 44.8068

Complementary

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



17.6210, 8.9634, 6.2702



16.7746, 29.7094, 17.4273

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.



4.2010, 8.9634, 30.4599



17.6210, 8.9634, 6.2702



3.3854, 8.9634, 4.5626

Square

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



17.6210, 8.9634, 6.2702



7.1931, 8.9634, 0.0408



3.2586, 8.9634, 14.3501



9.9996, 8.9634, 46.7135

Rectangle

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



17.6210, 8.9634, 6.2702



12.4295, 8.9634, 0.4925



3.2586, 8.9634, 14.3501



5.5297, 8.9634, 40.9645

Sweetspot

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



17.6212, 8.9640, 6.2703



50.2831, 42.4206, 49.7456



12.7366, 5.7282, 38.4645



10.7724, 8.7718, 10.3494



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.



17.6212, 8.9640, 6.2703



31.8697, 16.2225, 10.8412



16.7785, 8.9477, 0.8435



7.6508, 7.5902, 8.4781



12.9879, 6.6039, 4.7478



0.3414, 0.1708, 0.2493

Inverse Universe

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



17.6212, 8.9640, 6.2703



31.8697, 16.2225, 10.8412



18.6477, 25.6857, 42.0052



7.6508, 7.5902, 8.4781



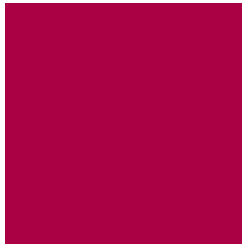
12.9879, 6.6039, 4.7478



0.3414, 0.1708, 0.2493

Previews

White Background



This preview shows how the XYZ color 17.6210, 8.9634, 6.2702 looks on a white background.

Color Contrast Check

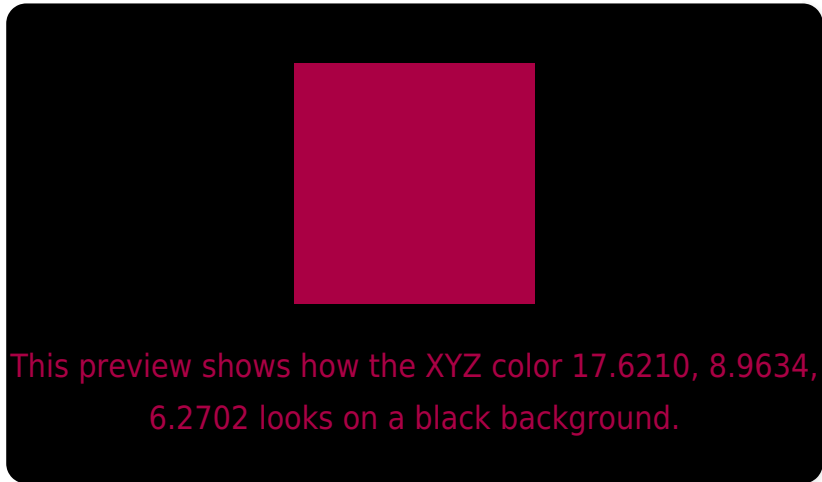
Large Text (above 18pt) WCAG AA ✓ Pass

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

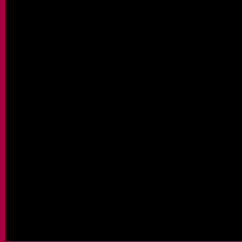
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.6210, 8.9634, 6.2702

Background



This preview shows how black text looks on a background with the XYZ color 17.6210, 8.9634, 6.2702.



This preview shows how white text looks on a background with the XYZ color 17.6210, 8.9634,

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

17.6210, 8.9634, 6.2702

Protanopia

9.4066, 9.6485, 13.1710

Deuteranopia

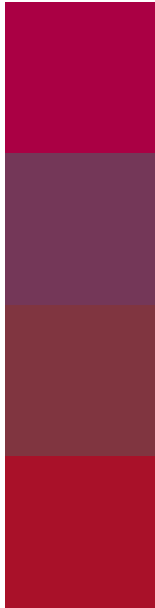
9.7215, 9.6206, 5.7595



Tritanopia

16.9406, 9.2935, 1.8782

Trichromacy



Original Color

17.6210, 8.9634, 6.2702

Protanomaly

10.3301, 7.1500, 10.0681

Deuteranomaly

11.1006, 7.5056, 5.7141

Tritanomaly

16.9629, 8.9960, 2.9402

Monochromacy



Original Color

17.6210, 8.9634, 6.2702

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.7082, 4.3867, 5.0506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6210, 8.9634, 6.2702 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(170, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 68)  
}
```

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(170, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 17.6210, 8.9634, 6.2702 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(170, 0, 68) }
```


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

```
.border{ border-color:rgb(170, 0, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 0, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(170, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6210, 8.9634, 6.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 68) }
```

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

```
.background{ background-color: rgb(170, 0,  
68) }
```

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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