

Converting Colors

XYZ(17.7774, 10.4658, 5.7731)

Have a look what the booklet for
XYZ(17.7774, 10.4658, 5.7731)
contains.

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Color

**XYZ(17.7719, 10.4511,
5.7832)**

Conversions

Conversions Part 1

Format	Color
Hex	A72D3F
RGB	167, 45, 63
RGB Percent	65%, 18%, 25%
CMY	0.3451, 0.8235, 0.7529
CMYK	0.00, 0.73, 0.62, 0.35
HSL	351°, 58%, 42%
HSV	351°, 73%, 65%
XYZ	17.7719, 10.4511, 5.7832
YIQ	83.5300, 66.9340, 31.4620

Conversions

Conversions Part 2

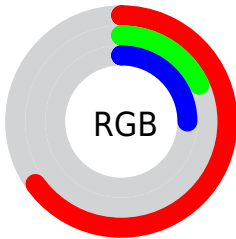
Format	Color
R_{YB}	167, 45, 63
Decimal	10956095
CIE Lab	38.64, 50.40, 19.03
CIE LCh	39, 53.868, 20.685
Yxy	10.4511, 0.5226, 0.3073
Android (android.graphics.Color)	4289146175 (0xFFA72D3F)
YUV	83.5300, -10.1213, 73.2032
Hunter-Lab	32.3282, 41.5533, 12.0233

Details

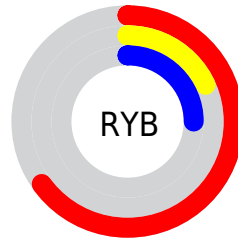
The XYZ color **17.7719, 10.4511, 5.7832** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **20.3266, 30.3655, 33.2266**, and the grayscale version is **8.3413, 8.7757, 9.5567**.

A 20% lighter version of the original color is **39.0502, 26.5710, 17.8224**, and **6.3197, 3.2423, 1.0022** is the 20% darker color. If you saturate the color by 10%, you get **16.9082, 9.2804, 3.7798**, and if you desaturate by 10%, it is **18.9910, 12.1682, 8.4129**.

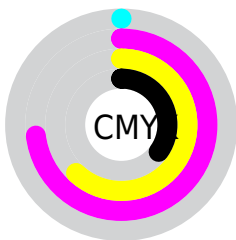
Distribution



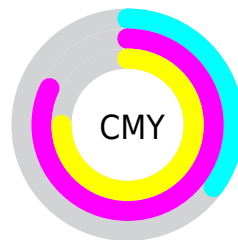
- Red (65%)
- Green (18%)
- Blue (25%)



- Red (65%)
- Yellow (18%)
- Blue (25%)



- Cyan (0%)
- Magenta (73%)
- Yellow (62%)
- Black (35%)





- Cyan (35%)
- Magenta (82%)
- Yellow (75%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7719, 10.4511, 5.7832 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 17.7719, 10.4511, 5.7832 by changing the saturation by 10% instead.


 17.7719, 10.4511,
5.7832


 17.7719, 10.4511,
5.7832


232.6527,
193.8620, 166.3587

 10.8850, 5.6991,
2.6471


 39.1814, 26.6406,
17.9491


 6.0563, 2.6630,
0.9166


 54.4348, 38.8468,
27.8158


 2.9203, 0.9584,
0.0000

 73.2077, 54.3066,
40.7633

 1.1118, 0.0000,
0.0000

 95.8654, 73.4043,
57.2098

 0.0349, 0.0000,
0.0000

 122.7735, 96.5242,
77.5741

 0.0000, 0.0000,
0.0000

 154.2972,

124.0509, 102.2747

190.8018,
156.3687, 131.7300

■ 17.7719, 10.4511,
5.7832

■ 17.7719, 10.4511,
5.7832

■ 16.9082, 9.2804,
3.7798

■ 18.9910, 12.1682,
8.4129

■ 16.3594, 8.5875,
2.3488

■ 20.5986, 14.4859,
11.7155

■ 16.1077, 8.2840,
1.6489

■ 22.6247, 17.4539,
15.7335

■ 25.0962, 21.1162,
20.5059

■ 28.0378, 25.5130,
26.0687

■ 31.4722, 30.6813,
32.4557

■ 35.4206, 36.6557,
39.6986

■ 39.9032, 43.4687,
47.8276

■ 44.9389, 51.1511,
56.8713

Harmonies

Analogous

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



18.2919, 10.4511, 14.8407



17.7719, 10.4511, 5.7832



14.9081, 10.4511, 1.9729

Triad

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



17.7719, 10.4511, 5.7832



5.5382, 10.4511, 2.9512



8.8705, 10.4511, 43.5566

Complementary

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



17.7719, 10.4511, 5.7832



20.3266, 30.3655, 33.2266

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.



6.2105, 10.4511, 34.1485



17.7719, 10.4511, 5.7832



4.6112, 10.4511, 8.5032

Square

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



17.7719, 10.4511, 5.7832



7.7151, 10.4511, 1.1445



4.8240, 10.4511, 19.7611



12.5408, 10.4511, 41.1531

Rectangle

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



17.7719, 10.4511, 5.7832



12.3628, 10.4511, 1.1104



4.8240, 10.4511, 19.7611



7.8452, 10.4511, 41.5302

Sweetspot

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



17.7722, 10.4517, 5.7834



50.5872, 46.2520, 47.3864



20.2536, 11.0288, 37.6203



10.9933, 9.8598, 9.9902



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.7722, 10.4517, 5.7834



29.5798, 15.7203, 4.9828



19.8756, 15.3361, 4.3960



7.5745, 7.5597, 8.0767



12.3377, 6.3438, 1.3239



0.3132, 0.1595, 0.1007

Inverse Universe

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



17.7722, 10.4517, 5.7834



29.5798, 15.7203, 4.9828



15.3032, 17.8393, 39.1957



7.5745, 7.5597, 8.0767



12.3377, 6.3438, 1.3239



0.3132, 0.1595, 0.1007

Previews

White Background



This preview shows how the XYZ color 17.7719, 10.4511, 5.7832 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 × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

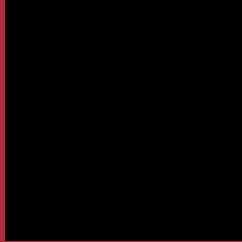
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7719, 10.4511, 5.7832

Background



This preview shows how black text looks on a background with the XYZ color 17.7719, 10.4511, 5.7832.



This preview shows how white text looks on a background with the XYZ color 17.7719, 10.4511,

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

17.7719, 10.4511, 5.7832

Protanopia

10.2123, 10.7656, 9.7233

Deuteranopia

10.7838, 10.6544, 5.3590



Tritanopia

17.3586, 10.4512, 4.1200

Trichromacy



Original Color

17.7719, 10.4511, 5.7832

Protanomaly

11.8466, 9.6915, 8.0837

Deuteranomaly

12.4669, 9.7758, 5.3675

Tritanomaly

17.4320, 10.4159, 4.7061

Monochromacy



Original Color

17.7719, 10.4511, 5.7832

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.4341, 8.4795, 7.9243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7719, 10.4511, 5.7832 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(167, 45, 63)` looks like.

```
.text, #text, p{  
    color:rgb(167, 45, 63)  
}
```

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(167, 45, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 45, 63) }
```

Border

The CSS property to change the border of an element to XYZ 17.7719, 10.4511, 5.7832 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(167, 45, 63) }
```


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

```
.border{ border-color:rgb(167, 45, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 45, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 45, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 45, 63);  
box-shadow:4px 4px 4px 4px rgb(167, 45,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7719, 10.4511, 5.7832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 45, 63) }
```

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

```
.background{ background-color: rgb(167, 45,  
63) }
```

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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