

Converting Colors

XYZ(19.3723, 9.8831, 5.5896)

Have a look what the booklet for
XYZ(19.3723, 9.8831, 5.5896)
contains.

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Color

**XYZ(19.2573, 9.8239,
5.5838)**

Conversions

Conversions Part 1

Format	Color
Hex	B2003F
RGB	178, 0, 63
RGB Percent	70%, 0%, 25%
CMY	0.3020, 0.9999, 0.7529
CMYK	0.00, 1.00, 0.65, 0.30
HSL	339°, 100%, 35%
HSV	339°, 100%, 70%
XYZ	19.2573, 9.8239, 5.5838
YIQ	60.4040, 85.8650, 57.3290

Conversions

Conversions Part 2

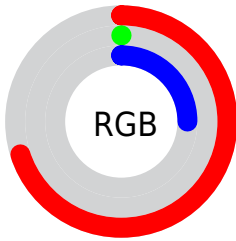
Format	Color
RYB	178, 0, 63
Decimal	11665471
CIELab	37.52, 62.96, 17.98
CIElCh	38, 65.475, 15.937
Yxy	9.8239, 0.5555, 0.2834
Android (android.graphics.Color)	4289855551 (0xFFB2003F)
YUV	60.4040, 1.2798, 103.1317
Hunter-Lab	31.3431, 54.8205, 11.3776

Details

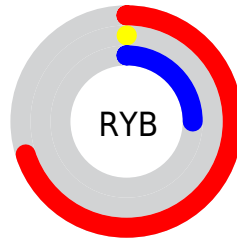
The XYZ color **19.2573, 9.8239, 5.5838** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.0171, 33.0793, 21.6121**, and the grayscale version is **4.3437, 4.5700, 4.9767**.

A 20% lighter version of the original color is **41.6183, 25.3884, 17.4588**, and **7.4809, 3.8398, 1.1059** is the 20% darker color. If you saturate the color by 10%, you get **19.2566, 9.8236, 5.5807**, and if you desaturate by 10%, it is **19.8266, 10.3933, 7.5287**.

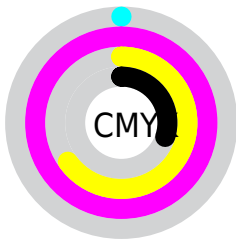
Distribution



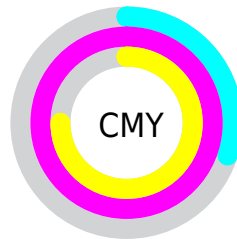
- Red (70%)
- Green (0%)
- Blue (25%)



- Red (70%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (30%)




- Cyan (30%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2573, 9.8239, 5.5838 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 19.2573, 9.8239, 5.5838 by changing the saturation by 10% instead.


 19.2573, 9.8239,
5.5838


 19.2573, 9.8239,
5.5838


240.7765,
189.4106, 164.4719


 11.9615, 5.2824,
2.5290


 41.6819, 25.4637,
17.5232


 6.7894, 2.4139,
0.8555


 57.5414, 37.3308,
27.2450


 3.3759, 0.8330,
0.0000

 76.9862, 52.4086,
40.0261

 1.3555, 0.0000,
0.0000

 100.3816, 71.0813,
56.2852

 0.2242, 0.0000,
0.0000

 128.0930, 93.7335,
76.4408

 0.0000, 0.0000,
0.0000

 160.4857,

120.7495, 100.9114

197.9251,
152.5137, 130.1156

■ 19.2573, 9.8239,
5.5838

■ 19.2573, 9.8239,
5.5838

■ 19.2566, 9.8236,
5.5807

■ 19.8266, 10.3933,
7.5287

■ 20.6597, 11.3765,
9.9120

■ 21.8343, 12.9233,
12.7770

■ 23.3888, 15.1054,
16.1532

■ 25.3563, 17.9836,
20.0669

■ 27.7659, 21.6117,
24.5423

■ 30.6442, 26.0381,
29.6022

■ 34.0153, 31.3070,
35.2677

■ 37.9018, 37.4595,
41.5591

Harmonies

Analogous

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



19.3666, 9.8239, 17.2373



19.2573, 9.8239, 5.5838



16.0289, 9.8239, 1.2598

Triad

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



19.2573, 9.8239, 5.5838



4.7106, 9.8239, 1.3906



7.5358, 9.8239, 51.4685

Complementary

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



19.2573, 9.8239, 5.5838



19.0171, 33.0793, 21.6121

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.



4.8281, 9.8239, 36.8152



19.2573, 9.8239, 5.5838



3.5539, 9.8239, 6.0633

Square

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



19.2573, 9.8239, 5.5838



7.3201, 9.8239, 0.1216



3.5894, 9.8239, 18.2451



11.6947, 9.8239, 50.9210

Rectangle

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



19.2573, 9.8239, 5.5838



12.9683, 9.8239, 0.3434



3.5894, 9.8239, 18.2451



6.4565, 9.8239, 47.8619

Sweetspot

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



19.2575, 9.8245, 5.5839



55.2687, 46.7490, 53.1611



14.8135, 6.7089, 42.6334



11.7435, 9.5831, 10.9065



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.2575, 9.8245, 5.5839



34.8218, 17.7749, 9.5987



18.6819, 10.1085, 0.9674



8.6164, 8.5533, 9.4785



13.8059, 7.0399, 4.1377



0.4628, 0.2329, 0.2796

Inverse Universe

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



19.2575, 9.8245, 5.5839



34.8218, 17.7749, 9.5987



19.6366, 26.4152, 46.1829



8.6164, 8.5533, 9.4785



13.8059, 7.0399, 4.1377



0.4628, 0.2329, 0.2796

Previews

White Background



This preview shows how the XYZ color 19.2573, 9.8239, 5.5838 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



This preview shows how the XYZ color 19.2573, 9.8239, 5.5838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

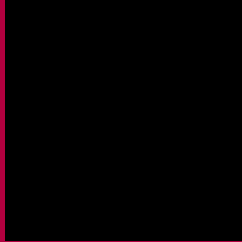
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2573, 9.8239, 5.5838

Background



This preview shows how black text looks on a background with the XYZ color 19.2573, 9.8239, 5.5838.



This preview shows how white text looks on a background with the XYZ color 19.2573, 9.8239,

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

19.2573, 9.8239, 5.5838

Protanopia

10.0865, 10.5302, 11.6261

Deuteranopia

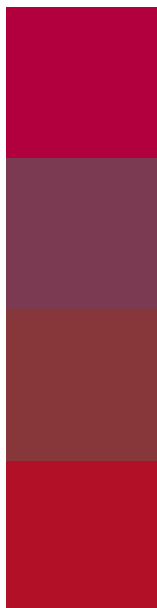
10.5282, 10.4072, 5.0683



Tritanopia

18.6337, 10.1042, 1.7788

Trichromacy



Original Color

19.2573, 9.8239, 5.5838

Protanomaly

11.1666, 7.8311, 8.7076

Deuteranomaly

12.1216, 8.1888, 4.9447

Tritanomaly

18.6666, 9.8576, 2.7526

Monochromacy



Original Color

19.2573, 9.8239, 5.5838

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.1289, 4.6067, 4.9283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2573, 9.8239, 5.5838 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(178, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 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(178, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 19.2573, 9.8239, 5.5838 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(178, 0, 63) }
```


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

```
.border{ border-color:rgb(178, 0, 63) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.2573, 9.8239, 5.5838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 63) }
```

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

```
.background{ background-color: rgb(178, 0,  
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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