

Converting Colors

XYZ(19.5364, 10.5237, 4.8807)

Have a look what the booklet for
XYZ(19.5364, 10.5237, 4.8807)
contains.

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Color

**XYZ(19.4680, 10.4992,
4.8714)**

Conversions

Conversions Part 1

Format	Color
Hex	B21A39
RGB	178, 26, 57
RGB Percent	70%, 10%, 22%
CMY	0.3020, 0.8980, 0.7765
CMYK	0.00, 0.85, 0.68, 0.30
HSL	348°, 74%, 40%
HSV	348°, 85%, 70%
XYZ	19.4680, 10.4992, 4.8714
YIQ	74.9820, 80.6410, 41.8650

Conversions

Conversions Part 2

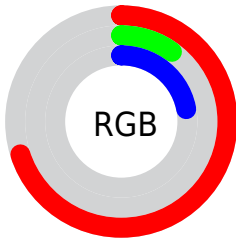
Format	Color
R_{YB}	178, 26, 57
Decimal	11672121
CIE Lab	38.72, 58.86, 23.35
CIE LCh	39, 63.319, 21.641
Yxy	10.4992, 0.5588, 0.3014
Android (android.graphics.Color)	4289862201 (0xFFB21A39)
YUV	74.9820, -8.8651, 90.3468
Hunter-Lab	32.4025, 50.5418, 13.7680

Details

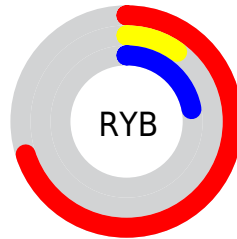
The XYZ color **19.4680, 10.4992, 4.8714** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **21.6144, 34.1674, 33.0659**, and the grayscale version is **6.6913, 7.0398, 7.6663**.

A 20% lighter version of the original color is **42.0062, 26.6695, 16.0305**, and **7.4223, 3.8164, 0.7974** is the 20% darker color. If you saturate the color by 10%, you get **18.8821, 9.8164, 3.1687**, and if you desaturate by 10%, it is **20.3967, 11.7098, 7.1754**.

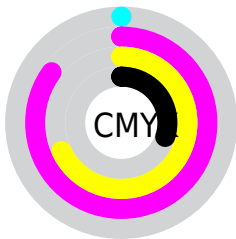
Distribution



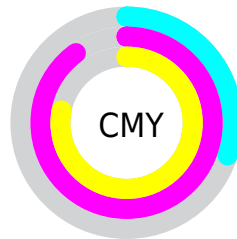
- Red (70%)
- Green (10%)
- Blue (22%)



- Red (70%)
- Yellow (10%)
- Blue (22%)



- Cyan (0%)
- Magenta (85%)
- Yellow (68%)
- Black (30%)



- Cyan (30%)
- Magenta (90%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4680, 10.4992, 4.8714 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 19.4680, 10.4992, 4.8714 by changing the saturation by 10% instead.

■ 19.4680, 10.4992,
4.8714

■ 19.4680, 10.4992,
4.8714

241.9092,
194.1988, 157.4678

■ 12.1149, 5.7312,
2.1146

■ 42.0342, 26.7303,
15.9742

■ 6.8948, 2.6823,
0.6244

■ 57.9781, 38.9622,
25.1574

■ 3.4421, 0.9682,
0.0000

■ 77.5162, 54.4508,
37.3197

■ 1.3916, 0.0000,
0.0000

■ 101.0141, 73.5805,
52.8797

■ 0.2503, 0.0000,
0.0000

■ 128.8369, 96.7358,
72.2560

■ 0.0000, 0.0000,
0.0000

■ 161.3502,

124.3010, 95.8670

198.9191,
156.6605, 124.1315

■ 19.4680, 10.4992,
4.8714

■ 19.4680, 10.4992,
4.8714

■ 18.8821, 9.8164,
3.1687

■ 20.3967, 11.7098,
7.1754

■ 18.6828, 9.5940,
2.5593

■ 21.7151, 13.5299,
10.1330

■ 23.4629, 16.0279,
13.7907

■ 25.6740, 19.2621,
18.1906

■ 28.3794, 23.2848,
23.3712

■ 31.6069, 28.1435,
29.3684

■ 35.3825, 33.8818,
36.2158

■ 39.7303, 40.5404,
43.9450

■ 44.6730, 48.1573,
52.5861

Harmonies

Analogous

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



20.2288, 10.4992, 15.1149



19.4680, 10.4992, 4.8714



15.8434, 10.4992, 1.2157

Triad

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



19.4680, 10.4992, 4.8714



4.9109, 10.4992, 2.2714



8.8558, 10.4992, 52.6683

Complementary

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



19.4680, 10.4992, 4.8714



21.6144, 34.1674, 33.0659

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.



5.7766, 10.4992, 40.6420



19.4680, 10.4992, 4.8714



3.9529, 10.4992, 8.4017

Square

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



19.4680, 10.4992, 4.8714



7.2992, 10.4992, 0.5530



4.2181, 10.4992, 22.1936



13.2459, 10.4992, 48.9450

Rectangle

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



19.4680, 10.4992, 4.8714



12.7305, 10.4992, 0.4663



4.2181, 10.4992, 22.1936



7.6559, 10.4992, 50.1432

Sweetspot

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



19.4682, 10.4998, 4.8716



56.6472, 50.0230, 52.0264



20.0949, 9.9799, 42.9863



12.0902, 10.3886, 10.6767



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.



19.4682, 10.4998, 4.8716



33.8142, 17.3719, 4.2928



20.6795, 13.8055, 2.5530



8.5649, 8.5327, 9.2071



13.3867, 6.8722, 1.9305



0.4418, 0.2245, 0.1693

Inverse Universe

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



19.4682, 10.4998, 4.8716



33.8142, 17.3719, 4.2928



17.1175, 20.7447, 45.2211



8.5649, 8.5327, 9.2071



13.3867, 6.8722, 1.9305



0.4418, 0.2245, 0.1693

Previews

White Background



This preview shows how the XYZ color 19.4680, 10.4992, 4.8714 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

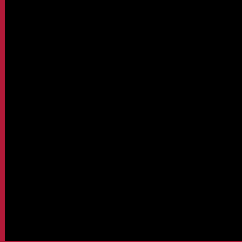
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4680, 10.4992, 4.8714

Background



This preview shows how black text looks on a background with the XYZ color 19.4680, 10.4992, 4.8714.



This preview shows how white text looks on a background with the XYZ color 19.4680, 10.4992,

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

19.4680, 10.4992, 4.8714

Protanopia

10.2421, 10.7898, 9.3274

Deuteranopia

10.9835, 10.7786, 4.4073



Tritanopia

18.9087, 10.4844, 2.3936

Trichromacy



Original Color

19.4680, 10.4992, 4.8714

Protanomaly

11.8410, 9.0377, 7.2513

Deuteranomaly

12.8267, 9.3469, 4.3769

Tritanomaly

18.9960, 10.4358, 3.1109

Monochromacy



Original Color

19.4680, 10.4992, 4.8714

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

9.1886, 6.7884, 6.2948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4680, 10.4992, 4.8714 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, 26, 57)` looks like.

```
.text, #text, p{  
    color:rgb(178, 26, 57)  
}
```

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, 26, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 26, 57) }
```

Border

The CSS property to change the border of an element to XYZ 19.4680, 10.4992, 4.8714 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, 26, 57) }
```


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

```
.border{ border-color:rgb(178, 26, 57) }
```

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

Here you see how a box with a 4 pixel rgb(178, 26, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 26, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 26, 57);  
box-shadow:4px 4px 4px 4px rgb(178, 26,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4680, 10.4992, 4.8714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 26, 57) }
```

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

```
.background{ background-color: rgb(178, 26,  
57) }
```

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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