

Converting Colors

XYZ(19.8653, 10.1474, 5.1531)

Have a look what the booklet for
XYZ(19.8653, 10.1474, 5.1531)
contains.

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Color

**XYZ(19.8717, 10.1500,
5.1868)**

Conversions

Conversions Part 1

Format	Color
Hex	B5003C
RGB	181, 0, 60
RGB Percent	71%, 0%, 24%
CMY	0.2902, 0.9999, 0.7647
CMYK	0.00, 1.00, 0.67, 0.29
HSL	340°, 100%, 35%
HSV	340°, 100%, 71%
XYZ	19.8717, 10.1500, 5.1868
YIQ	60.9590, 88.6160, 57.0320

Conversions

Conversions Part 2

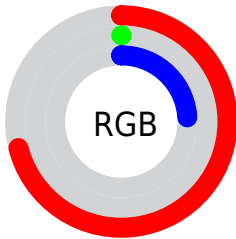
Format	Color
RYB	181, 0, 60
Decimal	11862076
CIELab	38.11, 63.52, 20.79
CIELCh	38, 66.840, 18.124
Yxy	10.1500, 0.5644, 0.2883
Android (android.graphics.Color)	4290052156 (0xFFB5003C)
YUV	60.9590, -0.4728, 105.2760
Hunter-Lab	31.8591, 55.5838, 12.6487

Details

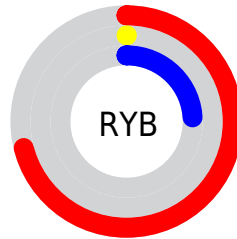
The XYZ color **19.8717, 10.1500, 5.1868** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.9772, 34.4290, 23.6913**, and the grayscale version is **4.4239, 4.6543, 5.0685**.

A 20% lighter version of the original color is **42.5584, 26.0011, 16.6856**, and **7.8633, 4.0401, 0.9815** is the 20% darker color. If you saturate the color by 10%, you get **19.8711, 10.1498, 5.1840**, and if you desaturate by 10%, it is **20.4475, 10.7298, 7.1418**.

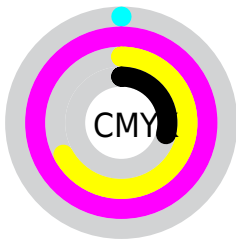
Distribution



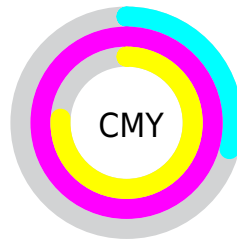
- Red (71%)
- Green (0%)
- Blue (24%)



- Red (71%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8717, 10.1500, 5.1868 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 19.8717, 10.1500, 5.1868 by changing the saturation by 10% instead.


 19.8717, 10.1500,
5.1868


 19.8717, 10.1500,
5.1868


244.0665,
191.7393, 160.6224


 12.4095, 5.4985,
2.2966


 42.7076, 26.0773,
16.6656


 7.0974, 2.5426,
0.7293


 58.8120, 38.1218,
26.0914


 3.5700, 0.8979,
0.0000

 78.5278, 53.3996,
38.5327

 1.4619, 0.0000,
0.0000

 102.2205, 72.2948,
54.4082

 0.2997, 0.0000,
0.0000

 130.2554, 95.1920,
74.1364

 0.0000, 0.0000,
0.0000

 162.9978,

122.4756, 98.1358

200.8130,
154.5299, 126.8250

■ 19.8717, 10.1500,
5.1868

■ 19.8717, 10.1500,
5.1868

■ 19.8711, 10.1498,
5.1840

■ 20.4475, 10.7298,
7.1418

■ 21.3021, 11.7428,
9.5734

■ 22.5160, 13.3431,
12.5292

■ 24.1298, 15.6057,
16.0420

■ 26.1783, 18.5944,
20.1415

■ 28.6922, 22.3651,
24.8548

■ 31.6994, 26.9685,
30.2074

■ 35.2256, 32.4508,
36.2231

■ 39.2946, 38.8549,
42.9246

Harmonies

Analogous

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



20.2530, 10.1500, 16.6959



19.8717, 10.1500, 5.1868



16.3104, 10.1500, 1.1222

Triad

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



19.8717, 10.1500, 5.1868



4.6956, 10.1500, 1.5698



8.0391, 10.1500, 54.4035

Complementary

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



19.8717, 10.1500, 5.1868



19.9772, 34.4290, 23.6913

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.



5.1024, 10.1500, 39.8518



19.8717, 10.1500, 5.1868



3.5941, 10.1500, 6.8487

Square

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



19.8717, 10.1500, 5.1868



7.2903, 10.1500, 0.1527



3.7167, 10.1500, 20.2103



12.4643, 10.1500, 52.4871

Rectangle

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



19.8717, 10.1500, 5.1868



13.0793, 10.1500, 0.2573



3.7167, 10.1500, 20.2103



6.8752, 10.1500, 50.9989

Sweetspot

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



19.8719, 10.1506, 5.1869



56.4718, 47.8350, 53.5756



16.1807, 7.3785, 44.2873



11.7034, 9.5670, 10.6954



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.



19.8719, 10.1506, 5.1869



35.4949, 18.1405, 8.7900



19.5253, 10.7621, 1.0491



8.6086, 8.5502, 9.4376



13.7278, 7.0087, 3.7268



0.4596, 0.2316, 0.2631

Inverse Universe

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



19.8719, 10.1506, 5.1869



35.4949, 18.1405, 8.7900



19.3814, 25.4175, 47.6005



8.6086, 8.5502, 9.4376



13.7278, 7.0087, 3.7268



0.4596, 0.2316, 0.2631

Previews

White Background



This preview shows how the XYZ color 19.8717, 10.1500, 5.1868 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 19.8717, 10.1500, 5.1868

Background



This preview shows how black text looks on a background with the XYZ color 19.8717, 10.1500, 5.1868.



This preview shows how white text looks on a background with the XYZ color 19.8717, 10.1500,

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

19.8717, 10.1500, 5.1868

Protanopia

10.3079, 10.7918, 10.7723

Deuteranopia

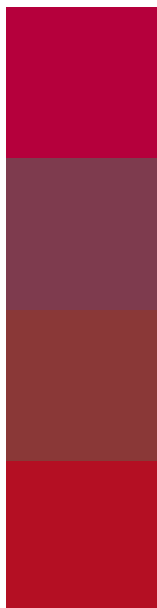
10.9196, 10.7381, 4.7459



Tritanopia

19.2844, 10.4107, 1.7025

Trichromacy



Original Color

19.8717, 10.1500, 5.1868

Protanomaly

11.5433, 8.1136, 8.1654

Deuteranomaly

12.5850, 8.5075, 4.5932

Tritanomaly

19.2966, 10.1663, 2.5354

Monochromacy



Original Color

19.8717, 10.1500, 5.1868

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.3935, 4.7912, 4.9500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8717, 10.1500, 5.1868 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(181, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 60)  
}
```

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(181, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 60) }
```

Border

The CSS property to change the border of an element to XYZ 19.8717, 10.1500, 5.1868 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(181, 0, 60) }
```


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

```
.border{ border-color:rgb(181, 0, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.8717, 10.1500, 5.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 60) }
```

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

```
.background{ background-color: rgb(181, 0,  
60) }
```

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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