

Converting Colors

XYZ(19.8620, 10.6369, 3.7595)

Have a look what the booklet for
XYZ(19.8620, 10.6369, 3.7595)
contains.

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Color

**XYZ(19.8960, 10.6499,
3.8033)**

Conversions

Conversions Part 1

Format	Color
Hex	B51730
RGB	181, 23, 48
RGB Percent	71%, 9%, 19%
CMY	0.2902, 0.9097, 0.8118
CMYK	0.00, 0.87, 0.73, 0.29
HSL	351°, 77%, 40%
HSV	351°, 87%, 71%
XYZ	19.8960, 10.6499, 3.8033
YIQ	73.0920, 86.1430, 41.2710

Conversions

Conversions Part 2

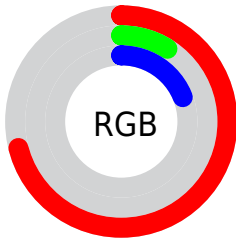
Format	Color
RYB	181, 23, 48
Decimal	11867952
CIELab	38.98, 59.88, 29.42
CIELCh	39, 66.715, 26.169
Yxy	10.6499, 0.5792, 0.3100
Android (android.graphics.Color)	4290058032 (0xFFB51730)
YUV	73.0920, -12.3704, 94.6353
Hunter-Lab	32.6342, 51.7158, 15.9341

Details

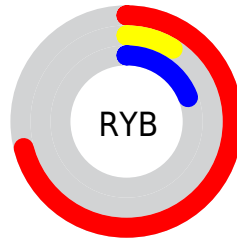
The XYZ color **19.8960, 10.6499, 3.8033** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.8796, 35.6309, 37.1308**, and the grayscale version is **6.3606, 6.6919, 7.2875**.

A 20% lighter version of the original color is **42.8183, 27.0207, 13.5484**, and **7.7622, 3.9996, 0.4490** is the 20% darker color. If you saturate the color by 10%, you get **19.3806, 10.0389, 2.3377**, and if you desaturate by 10%, it is **20.7568, 11.7792, 5.9172**.

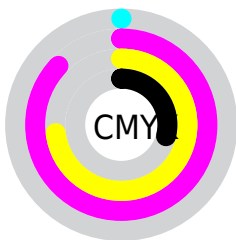
Distribution



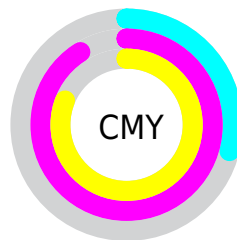
- Red (71%)
- Green (9%)
- Blue (19%)



- Red (71%)
- Yellow (9%)
- Blue (19%)



- Cyan (0%)
- Magenta (87%)
- Yellow (73%)
- Black (29%)



- Cyan (29%)
- Magenta (91%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8960, 10.6499, 3.8033 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 19.8960, 10.6499, 3.8033 by changing the saturation by 10% instead.

■ 19.8960, 10.6499,
3.8033

■ 19.8960, 10.6499,
3.8033

244.1959,
195.2496, 146.0133

■ 12.4273, 5.8319,
1.5181

■ 42.7480, 27.0109,
13.5535

■ 7.1096, 2.7432,
0.2313

■ 58.8621, 39.3228,
21.8556

■ 3.5777, 0.9992,
0.0000

■ 78.5886, 54.9014,
33.0003

■ 1.4661, 0.0000,
0.0000

■ 102.2929, 74.1312,
47.4063

■ 0.3026, 0.0000,
0.0000

■ 130.3405, 97.3965,
65.4920

■ 0.0000, 0.0000,
0.0000

■ 163.0966,

125.0817, 87.6761

200.9266,
157.5713, 114.3770

■ 19.8960, 10.6499,
3.8033

■ 19.8960, 10.6499,
3.8033

■ 19.3806, 10.0389,
2.3377

■ 20.7568, 11.7792,
5.9172

■ 19.2732, 9.9106,
2.0353

■ 22.0234, 13.5308,
8.7484

■ 23.7396, 15.9788,
12.3553

■ 25.9434, 19.1863,
16.7900

■ 28.6688, 23.2094,
22.1000

■ 31.9466, 28.0988,
28.3293

■ 35.8052, 33.9010,
35.5186

■ 40.2709, 40.6595,
43.7065

■ 45.3687, 48.4146,
52.9292

Harmonies

Analogous

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



21.2715, 10.6499, 13.3097



19.8960, 10.6499, 3.8033



15.6665, 10.6499, 0.8246

Triad

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



19.8960, 10.6499, 3.8033



4.5525, 10.6499, 2.6088



9.5620, 10.6499, 57.1894

Complementary

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



19.8960, 10.6499, 3.8033



22.8796, 35.6309, 37.1308

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.



6.0701, 10.6499, 46.1376



19.8960, 10.6499, 3.8033



3.7645, 10.6499, 10.0360

Square

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



19.8960, 10.6499, 3.8033



6.8011, 10.6499, 0.5130



4.2254, 10.6499, 26.0906



14.3798, 10.6499, 50.3677

Rectangle

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



19.8960, 10.6499, 3.8033



12.3065, 10.6499, 0.1701



4.2254, 10.6499, 26.0906



8.2133, 10.6499, 55.3121

Sweetspot

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



19.8962, 10.6506, 3.8035



57.7620, 51.1428, 51.7636



22.1013, 10.8855, 44.6522



12.0218, 10.3612, 10.3164



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.



19.8962, 10.6506, 3.8035



34.4645, 17.7284, 3.3640



21.7731, 15.0102, 2.5611



8.5494, 8.5265, 9.1253



13.3038, 6.8391, 1.4938



0.4354, 0.2219, 0.1357

Inverse Universe

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



19.8962, 10.6506, 3.8035



34.4645, 17.7284, 3.3640



16.4576, 19.0453, 46.5247



8.5494, 8.5265, 9.1253



13.3038, 6.8391, 1.4938



0.4354, 0.2219, 0.1357

Previews

White Background



This preview shows how the XYZ color 19.8960, 10.6499, 3.8033 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 19.8960, 10.6499, 3.8033

Background



This preview shows how black text looks on a background with the XYZ color 19.8960, 10.6499, 3.8033.



This preview shows how white text looks on a background with the XYZ color 19.8960, 10.6499,

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

19.8960, 10.6499, 3.8033

Protanopia

10.2754, 10.9802, 7.3722

Deuteranopia

11.1410, 11.0042, 3.4563



Tritanopia

19.4241, 10.6084, 2.0011

Trichromacy



Original Color

19.8960, 10.6499, 3.8033

Protanomaly

11.9899, 9.1492, 5.6915

Deuteranomaly

13.1234, 9.5232, 3.3370

Tritanomaly

19.4805, 10.5576, 2.5245

Monochromacy



Original Color

19.8960, 10.6499, 3.8033

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.9737, 6.5473, 5.6413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8960, 10.6499, 3.8033 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, 23, 48)` looks like.

```
.text, #text, p{  
    color:rgb(181, 23, 48)  
}
```

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, 23, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 23, 48) }
```

Border

The CSS property to change the border of an element to XYZ 19.8960, 10.6499, 3.8033 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, 23, 48) }
```


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

```
.border{ border-color:rgb(181, 23, 48) }
```

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

Here you see how a box with a 4 pixel rgb(181, 23, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 23, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 23, 48);  
box-shadow:4px 4px 4px 4px rgb(181, 23,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8960, 10.6499, 3.8033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 23, 48) }
```

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

```
.background{ background-color: rgb(181, 23,  
48) }
```

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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