

Converting Colors

XYZ(19.1999, 10.3867, 6.7872)

Have a look what the booklet for
XYZ(19.1999, 10.3867, 6.7872)
contains.

XYZ(19.1999, 10.3867, 6.7872)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.1999, 10.3867,
6.7872)**

Conversions

Conversions Part 1

Format	Color
Hex	AF1C46
RGB	175, 28, 70
RGB Percent	69%, 11%, 27%
CMY	0.3137, 0.8901, 0.7255
CMYK	0.00, 0.84, 0.60, 0.31
HSL	343°, 72%, 40%
HSV	343°, 84%, 69%
XYZ	19.1999, 10.3867, 6.7872
YIQ	76.7410, 74.1300, 44.2260

Conversions

Conversions Part 2

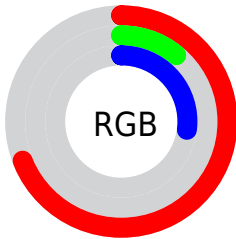
Format	Color
R_{YB}	175, 28, 70
Decimal	11476038
CIE _{Lab}	38.53, 58.34, 14.71
CIE _{LCh}	39, 60.169, 14.154
Yxy	10.3867, 0.5278, 0.2856
Android (android.graphics.Color)	4289666118 (0xFFAF1C46)
YUV	76.7410, -3.3233, 86.1731
Hunter-Lab	32.2284, 49.9407, 10.0736

Details

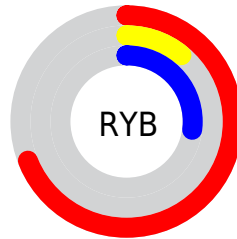
The XYZ color **19.1999, 10.3867, 6.7872** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **20.0438, 32.6006, 27.4318**, and the grayscale version is **7.0037, 7.3684, 8.0242**.

A 20% lighter version of the original color is **41.5183, 26.4532, 20.0573**, and **7.2798, 3.7287, 1.4346** is the 20% darker color. If you saturate the color by 10%, you get **18.5443, 9.6427, 4.8203**, and if you desaturate by 10%, it is **20.1794, 11.6471, 9.2676**.

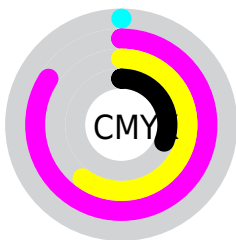
Distribution



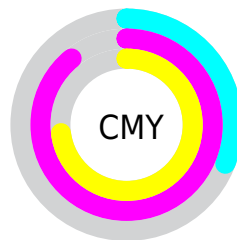
- Red (69%)
- Green (11%)
- Blue (27%)



- Red (69%)
- Yellow (11%)
- Blue (27%)



- Cyan (0%)
- Magenta (84%)
- Yellow (60%)
- Black (31%)





- Cyan (31%)
- Magenta (89%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1999, 10.3867, 6.7872 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 19.1999, 10.3867, 6.7872 by changing the saturation by 10% instead.


 19.1999, 10.3867,
6.7872


 19.1999, 10.3867,
6.7872


240.4671,
193.4102, 175.4469


 11.9197, 5.6561,
3.2530


 41.5859, 26.5203,
20.0493


 6.7608, 2.6371,
1.2252


 57.4223, 38.6922,
30.6143


 3.3580, 0.9454,
0.0000

 76.8416, 54.1132,
44.3600

 1.3458, 0.0000,
0.0000

 100.2090, 73.1678,
61.7048

 0.2171, 0.0000,
0.0000

 127.8899, 96.2405,
83.0674

 0.0000, 0.0000,
0.0000

 160.2496,

123.7155, 108.8662

197.6536,
155.9772, 139.5199

■ 19.1999, 10.3867,
6.7872

■ 19.1999, 10.3867,
6.7872

■ 18.5443, 9.6427,
4.8203

■ 20.1794, 11.6471,
9.2676

■ 18.2545, 9.3441,
3.8576

■ 21.5231, 13.4969,
12.2978

■ 23.2660, 15.9991,
15.9112

■ 25.4386, 19.2083,
20.1377

■ 28.0683, 23.1730,
25.0054

■ 31.1801, 27.9376,
30.5402

■ 34.7971, 33.5431,
36.7670

■ 38.9411, 40.0273,
43.7088

■ 43.6324, 47.4262,
51.3880

Harmonies

Analogous

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



19.1098, 10.3867, 18.3348



19.1999, 10.3867, 6.7872



16.3723, 10.3867, 1.9248

Triad

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



19.1999, 10.3867, 6.7872



5.4766, 10.3867, 1.7889



7.9434, 10.3867, 47.6986

Complementary

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



19.1999, 10.3867, 6.7872



20.0438, 32.6006, 27.4318

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.



5.3704, 10.3867, 34.1807



19.1999, 10.3867, 6.7872



4.2273, 10.3867, 6.3561

Square

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



19.1999, 10.3867, 6.7872



8.1319, 10.3867, 0.5652



4.1944, 10.3867, 17.4935



11.8448, 10.3867, 48.1330

Rectangle

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



19.1999, 10.3867, 6.7872



13.5602, 10.3867, 0.8583



4.1944, 10.3867, 17.4935



6.9221, 10.3867, 44.2683

Sweetspot

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



19.2002, 10.3873, 6.7874



54.9849, 48.7150, 53.1932



17.4987, 8.7440, 41.3226



11.7821, 10.1538, 11.0471



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.2002, 10.3873, 6.7874



32.6119, 16.7024, 6.4797



19.3724, 12.1650, 2.4266



8.0958, 8.0516, 8.8153



13.0962, 6.7010, 2.8862



0.3881, 0.1959, 0.2056

Inverse Universe

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



19.2002, 10.3873, 6.7874



32.6119, 16.7024, 6.4797



18.4348, 23.7777, 44.1750



8.0958, 8.0516, 8.8153



13.0962, 6.7010, 2.8862



0.3881, 0.1959, 0.2056

Previews

White Background



This preview shows how the XYZ color 19.1999, 10.3867, 6.7872 looks on a white background.

Color Contrast Check

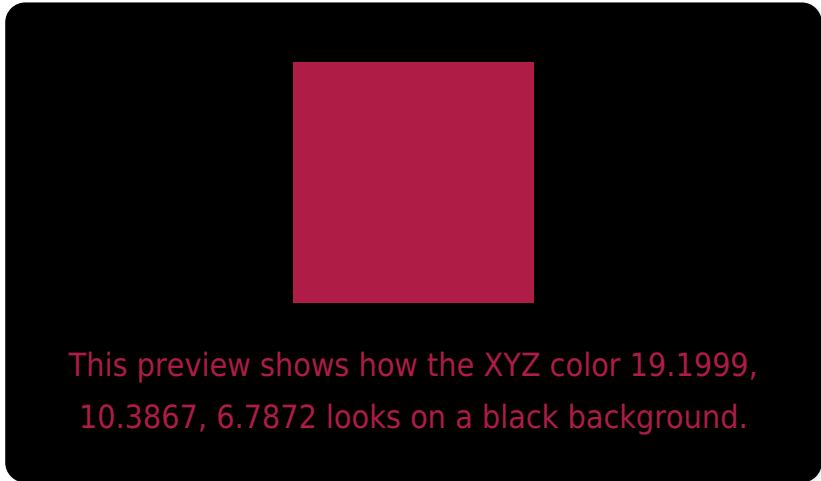
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1999, 10.3867, 6.7872

Background



This preview shows how black text looks on a background with the XYZ color 19.1999, 10.3867, 6.7872.



This preview shows how white text looks on a background with the XYZ color 19.1999, 10.3867,

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

19.1999, 10.3867, 6.7872

Protanopia

10.4454, 10.8114, 13.0916

Deuteranopia

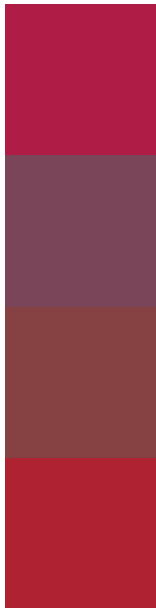
10.8173, 10.6533, 6.1888



Tritanopia

18.4511, 10.4554, 2.7959

Trichromacy



Original Color

19.1999, 10.3867, 6.7872

Protanomaly

11.9156, 9.0984, 10.3607

Deuteranomaly

12.7631, 9.3581, 6.2879

Tritanomaly

18.5820, 10.3645, 3.9269

Monochromacy



Original Color

19.1999, 10.3867, 6.7872

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.6100, 7.1331, 7.3489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1999, 10.3867, 6.7872 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(175, 28, 70)` looks like.

```
.text, #text, p{  
    color:rgb(175, 28, 70)  
}
```

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(175, 28, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 28, 70) }
```

Border

The CSS property to change the border of an element to XYZ 19.1999, 10.3867, 6.7872 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(175, 28, 70) }
```


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

```
.border{ border-color:rgb(175, 28, 70) }
```

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

Here you see how a box with a 4 pixel rgb(175, 28, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 28, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 28, 70);  
box-shadow:4px 4px 4px 4px rgb(175, 28,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1999, 10.3867, 6.7872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 28, 70) }
```

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

```
.background{ background-color: rgb(175, 28,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor