

Converting Colors

XYZ(19.3221, 9.9315, 2.2315)

Have a look what the booklet for
XYZ(19.3221, 9.9315, 2.2315)
contains.

XYZ(19.3168, 9.9280, 2.2647)	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(19.3168, 9.9280,
2.2647)**

Conversions

Conversions Part 1

Format	Color
Hex	B50020
RGB	181, 0, 32
RGB Percent	71%, 0%, 13%
CMY	0.2902, 0.9999, 0.8745
CMYK	0.00, 1.00, 0.82, 0.29
HSL	349°, 100%, 35%
HSV	349°, 100%, 71%
XYZ	19.3168, 9.9280, 2.2647
YIQ	57.7670, 97.6040, 48.3240

Conversions

Conversions Part 2

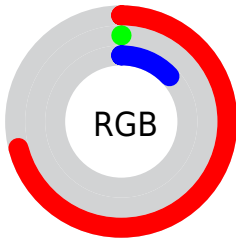
Format	Color
RYB	181, 0, 32
Decimal	11862048
CIELab	37.71, 62.45, 37.61
CIELCh	38, 72.897, 31.056
Yxy	9.9280, 0.6130, 0.3151
Android (android.graphics.Color)	4290052128 (0xFFB50020)
YUV	57.7670, -12.7031, 108.0753
Hunter-Lab	31.5087, 54.2913, 17.7946

Details

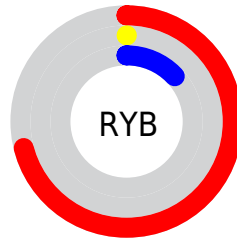
The XYZ color **19.3168, 9.9280, 2.2647** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.9512, 35.2186, 34.0865**, and the grayscale version is **3.9999, 4.2082, 4.5827**.

A 20% lighter version of the original color is **41.8644, 25.6856, 9.7725**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.3164, 9.9279, 2.2630**, and if you desaturate by 10%, it is **19.7855, 10.4650, 3.6562**.

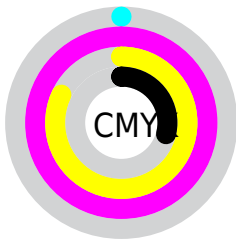
Distribution



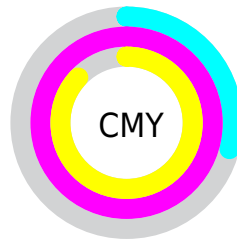
- Red (71%)
- Green (0%)
- Blue (13%)



- Red (71%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3168, 9.9280, 2.2647 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 19.3168, 9.9280, 2.2647 by changing the saturation by 10% instead.


 19.3168, 9.9280,
2.2647


 19.3168, 9.9280,
2.2647


241.0968,
190.1574, 126.3604


 12.0048, 5.3512,
0.7113


 41.7815, 25.6600,
9.7526

 6.8192, 2.4548,
0.0000


 57.6648, 37.5840,
16.5457


 3.3946, 0.8539,
0.0000

 77.1360, 52.7259,
25.9296

 1.3657, 0.0000,
0.0000

 100.5604, 71.4701,
38.3229

 0.2316, 0.0000,
0.0000


 128.3033, 94.2009,
54.1441


 0.0000, 0.0000,
0.0000


 160.7301,


121.3028, 73.8117


 198.2062,
153.1602, 97.7443


 19.3168, 9.9280,
2.2647


 19.3168, 9.9280,
2.2647


 19.3164, 9.9279,
2.2630

 19.7855, 10.4650,
3.6562

 20.5580, 11.4450,
5.6550

 21.7198, 13.0245,
8.3364

 23.3159, 15.2800,
11.7564

 25.3851, 18.2769,
15.9655

■ 27.9618, 22.0726,
21.0094

■ 31.0768, 26.7191,
26.9301

■ 34.7589, 32.2637,
33.7670

■ 39.0346, 38.7504,
41.5570

Harmonies

Analogous

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



21.4481, 9.9280, 10.3461



19.3168, 9.9280, 2.2647



14.4406, 9.9280, 0.0860

Triad

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



19.3168, 9.9280, 2.2647



3.5880, 9.9280, 2.5645



9.6015, 9.9280, 61.6897

Complementary

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



19.3168, 9.9280, 2.2647



21.9512, 35.2186, 34.0865

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.



5.7465, 9.9280, 52.0697



19.3168, 9.9280, 2.2647



3.0355, 9.9280, 11.2873

Square

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



19.3168, 9.9280, 2.2647



5.5445, 9.9280, 0.1799



3.6749, 9.9280, 30.0504



14.8218, 9.9280, 50.7391

Rectangle

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



19.3168, 9.9280, 2.2647



10.8909, 9.9280, 0.0000



3.6749, 9.9280, 30.0504



8.1173, 9.9280, 60.7175

Sweetspot

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



19.3170, 9.9286, 2.2648



55.3452, 47.3844, 47.6434



20.5213, 9.6161, 44.4904



11.4408, 9.4620, 9.3126



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.



19.3170, 9.9286, 2.2648



34.5371, 17.7574, 3.7461



20.5360, 12.7834, 1.3859



8.5556, 8.5290, 9.1584



13.3350, 6.8516, 1.6584



0.4380, 0.2230, 0.1493

Inverse Universe

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



19.3170, 9.9286, 2.2648



34.5371, 17.7574, 3.7461



15.5100, 17.6747, 46.3100



8.5556, 8.5290, 9.1584



13.3350, 6.8516, 1.6584



0.4380, 0.2230, 0.1493

Previews

White Background



This preview shows how the XYZ color 19.3168, 9.9280, 2.2647 looks on a white background.

Color Contrast Check

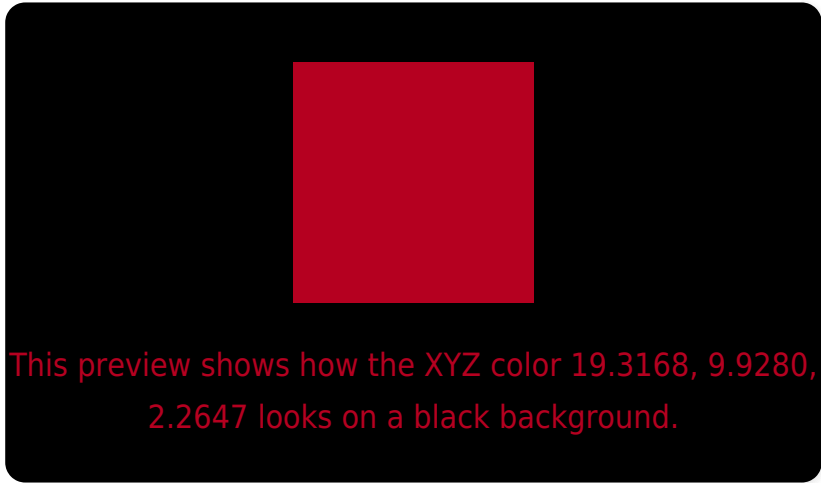
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 19.3168, 9.9280, 2.2647

Background



This preview shows how black text looks on a background with the XYZ color 19.3168, 9.9280, 2.2647.



This preview shows how white text looks on a background with the XYZ color 19.3168, 9.9280,

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

19.3168, 9.9280, 2.2647

Protanopia

9.7915, 10.6600, 4.6735

Deuteranopia

10.6969, 10.5639, 1.9272



Tritanopia

19.0077, 10.0739, 0.9426

Trichromacy



Original Color

19.3168, 9.9280, 2.2647

Protanomaly

11.2245, 8.0556, 3.3462

Deuteranomaly

12.3168, 8.3620, 1.6743

Tritanomaly

18.9973, 9.9469, 1.2665

Monochromacy



Original Color

19.3168, 9.9280, 2.2647

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.8095, 4.4285, 3.4016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3168, 9.9280, 2.2647 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 32) }
```

Border

The CSS property to change the border of an element to XYZ 19.3168, 9.9280, 2.2647 is called "border". The border property can be set on classes, ids or directly on the HTML element.

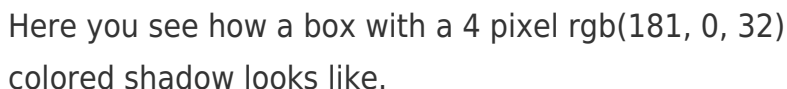
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 0, 32) }
```


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

```
.border{ border-color:rgb(181, 0, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3168, 9.9280, 2.2647 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, 32) }
```

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

```
.background{ background-color: rgb(181, 0,  
32) }
```

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