

Converting Colors

XYZ(18.3479, 9.4062, 3.2318)

Have a look what the booklet for
XYZ(18.3479, 9.4062, 3.2318)
contains.

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Color

**XYZ(18.3591, 9.4120,
3.2319)**

Conversions

Conversions Part 1

Format	Color
Hex	B0002C
RGB	176, 0, 44
RGB Percent	69%, 0%, 17%
CMY	0.3098, 0.9999, 0.8275
CMYK	0.00, 1.00, 0.75, 0.31
HSL	345°, 100%, 35%
HSV	345°, 100%, 69%
XYZ	18.3591, 9.4120, 3.2319
YIQ	57.6400, 90.7720, 50.9960

Conversions

Conversions Part 2

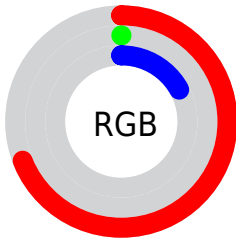
Format	Color
RYB	176, 0, 44
Decimal	11534380
CIELab	36.77, 61.59, 29.05
CIElCh	37, 68.098, 25.252
Yxy	9.4120, 0.5922, 0.3036
Android (android.graphics.Color)	4289724460 (0xFFB0002C)
YUV	57.6400, -6.7245, 103.8017
Hunter-Lab	30.6790, 53.1308, 15.2293

Details

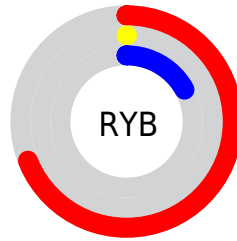
The XYZ color **18.3591, 9.4120, 3.2319** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **19.6927, 32.7174, 27.1188**, and the grayscale version is **3.9762, 4.1833, 4.5556**.

A 20% lighter version of the original color is **40.1958, 24.6640, 12.0933**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.3585, 9.4117, 3.2294**, and if you desaturate by 10%, it is **18.8583, 9.9483, 4.8237**.

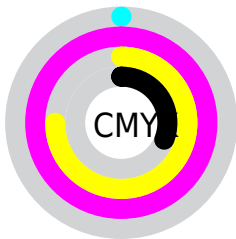
Distribution



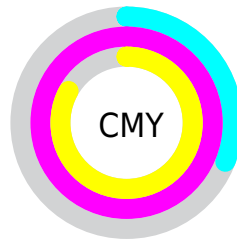
- Red (69%)
- Green (0%)
- Blue (17%)



- Red (69%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3591, 9.4120, 3.2319 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 18.3591, 9.4120, 3.2319 by changing the saturation by 10% instead.


 18.3591, 9.4120,
3.2319


 18.3591, 9.4120,
3.2319


235.8940,
186.4223, 139.2615


 11.3094, 5.0109,
1.2142


 40.1736, 24.6835,
12.1955


 6.3441, 2.2536,
0.0000


 55.6690, 36.3227,
19.9785


 3.0981, 0.7490,
0.0000

 74.7104, 51.1433,
30.5204

 1.2058, 0.0000,
0.0000

 97.6631, 69.5298,
44.2396

 0.1110, 0.0000,
0.0000

 124.8925, 91.8666,
61.5548

 0.0000, 0.0000,
0.0000

 156.7638,

118.5380, 82.8845

193.6426,
149.9284, 108.6472

18.3591, 9.4120,
3.2319

18.3591, 9.4120,
3.2319

18.3585, 9.4117,
3.2294

18.8583, 9.9483,
4.8237

19.6306, 10.8932,
6.9295

20.7547, 12.3950,
9.6057

22.2705, 14.5243,
12.8925

24.2119, 17.3410,
16.8264

■ 26.6092, 20.8981,
21.4407

■ 29.4899, 25.2433,
26.7664

■ 32.8790, 30.4203,
32.8326

■ 36.8001, 36.4697,
39.6666

Harmonies

Analogous

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



19.5808, 9.4120, 12.2732



18.3591, 9.4120, 3.2319



14.3518, 9.4120, 0.5198

Triad

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



18.3591, 9.4120, 3.2319



3.8345, 9.4120, 1.9317



8.2971, 9.4120, 54.5439

Complementary

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



18.3591, 9.4120, 3.2319



19.6927, 32.7174, 27.1188

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.



5.1030, 9.4120, 43.1713



18.3591, 9.4120, 3.2319



3.0897, 9.4120, 8.4589

Square

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



18.3591, 9.4120, 3.2319



5.9371, 9.4120, 0.1258



3.4687, 9.4120, 23.5342



12.8303, 9.4120, 48.3326

Rectangle

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



18.3591, 9.4120, 3.2319



11.1512, 9.4120, 0.0000



3.4687, 9.4120, 23.5342



7.0522, 9.4120, 52.4996

Sweetspot

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



18.3593, 9.4126, 3.2320



53.1778, 45.3164, 47.9861



17.3537, 8.0415, 41.7114



11.0399, 9.0874, 9.5108



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.



18.3593, 9.4126, 3.2320



33.2200, 17.0392, 5.4538



18.8061, 11.0333, 1.1394



8.5806, 8.5389, 9.2898



13.4904, 6.9137, 2.4765



0.4482, 0.2270, 0.2032

Inverse Universe

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



18.3593, 9.4126, 3.2320



33.2200, 17.0392, 5.4538



16.0891, 19.6394, 44.0167



8.5806, 8.5389, 9.2898



13.4904, 6.9137, 2.4765



0.4482, 0.2270, 0.2032

Previews

White Background



This preview shows how the XYZ color 18.3591, 9.4120, 3.2319 looks on a white background.

Color Contrast Check

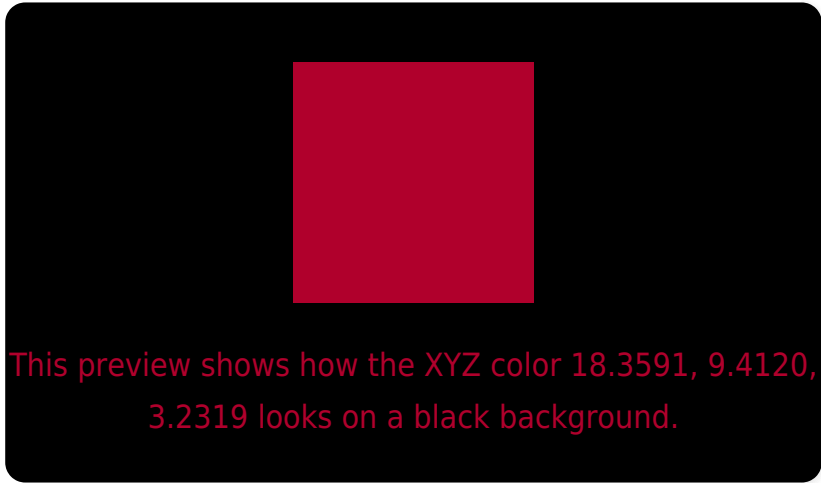
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3591, 9.4120, 3.2319

Background



This preview shows how black text looks on a background with the XYZ color 18.3591, 9.4120, 3.2319.

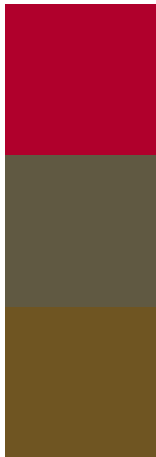


This preview shows how white text looks on a background with the XYZ color 18.3591, 9.4120,

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

18.3591, 9.4120, 3.2319

Protanopia

9.3796, 10.0249, 6.5949

Deuteranopia

10.0928, 9.9920, 2.9101



Tritanopia

17.9619, 9.5731, 1.2489

Trichromacy



Original Color

18.3591, 9.4120, 3.2319

Protanomaly

10.6843, 7.5917, 4.9052

Deuteranomaly

11.6607, 7.9292, 2.7496

Tritanomaly

17.9637, 9.4193, 1.7355

Monochromacy



Original Color

18.3591, 9.4120, 3.2319

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.6710, 4.3469, 3.8556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3591, 9.4120, 3.2319 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(176, 0, 44)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 44)  
}
```

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(176, 0, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 44) }
```

Border

The CSS property to change the border of an element to XYZ 18.3591, 9.4120, 3.2319 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(176, 0, 44) }
```


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

```
.border{ border-color:rgb(176, 0, 44) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3591, 9.4120, 3.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 44) }
```

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

```
.background{ background-color: rgb(176, 0,  
44) }
```

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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