

# Converting Colors

XYZ(19.1561, 9.8651, 1.3577)

Have a look what the booklet for  
XYZ(19.1561, 9.8651, 1.3577)  
contains.

<b>XYZ(19.1423, 9.8582, 1.3459)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(19.1423, 9.8582,  
1.3459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5000F
RGB	181, 0, 15
RGB Percent	71%, 0%, 6%
CMY	0.2902, 0.9999, 0.9412
CMYK	0.00, 1.00, 0.92, 0.29
HSL	355°, 100%, 35%
HSV	355°, 100%, 71%
XYZ	19.1423, 9.8582, 1.3459
YIQ	55.8290, 103.0610, 43.0370

# Conversions

## Conversions Part 2

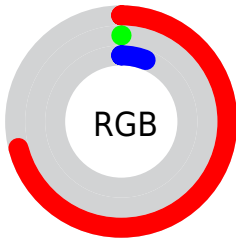
Format	Color
<a href="#">RYB</a>	<a href="#">181, 0, 15</a>
Decimal	<a href="#">11862031</a>
CIELab	<a href="#">37.59, 62.10, 46.15</a>
CIELCh	<a href="#">38, 77.373, 36.615</a>
Yxy	<a href="#">9.8582, 0.6308, 0.3249</a>
Android (android.graphics.Color)	<a href="#">4290052111 (0xFFB5000F)</a>
YUV	<a href="#">55.8290, -20.1287, 109.7750</a>
Hunter-Lab	<a href="#">31.3978, 53.8801, 19.4369</a>

# Details

The XYZ color **19.1423, 9.8582, 1.3459** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.4096, 35.8019, 41.7661**, and the grayscale version is **3.7547, 3.9502, 4.3018**.

A 20% lighter version of the original color is **41.3672, 25.4867, 7.1540**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.1420, 9.8581, 1.3449**, and if you desaturate by 10%, it is **19.5297, 10.3627, 2.3093**.

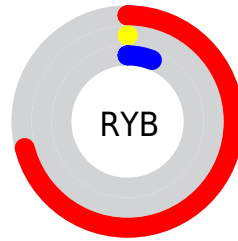
# Distribution



Red (71%)

Green (0%)

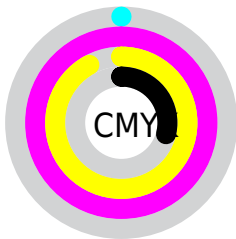
Blue (6%)



Red (71%)

Yellow (0%)

Blue (6%)

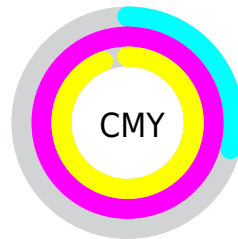


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (29%)



Cyan (29%)

Magenta (100%)


Yellow (94%)

# Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1423, 9.8582, 1.3459 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 19.1423, 9.8582, 1.3459 by changing the saturation by 10% instead.





 19.1423, 9.8582,  
1.3459


 19.1423, 9.8582,  
1.3459


 240.1563,  
189.6570, 111.2114

 11.8778, 5.3050,  
0.0990


 41.4894, 25.5284,  
7.1599


 6.7321, 2.4273,  
0.0000


 57.3027, 37.4143,  
12.7972


 3.3400, 0.8399,  
0.0000

 76.6963, 52.5132,  
20.8126

 1.3360, 0.0000,  
0.0000

 100.0356, 71.2096,  
31.6247

 0.2099, 0.0000,  
0.0000


 127.6859, 93.8877,  
45.6521


 0.0000, 0.0000,  
0.0000


 160.0125,


120.9321, 63.3134


 197.3808,  
152.7270, 85.0269


 19.1423, 9.8582,  
1.3459


 19.1423, 9.8582,  
1.3459


 19.1420, 9.8581,  
1.3449

 19.5297, 10.3627,  
2.3093

 20.2316, 11.3145,  
3.9363

 21.3391, 12.8722,  
6.3320

 22.9019, 15.1144,  
9.5761

 24.9622, 18.1077,  
13.7383

■ 27.5576, 21.9110,  
18.8810

■ 30.7220, 26.5772,  
25.0614

■ 34.4864, 32.1548,  
32.3318

■ 38.8797, 38.6886,  
40.7415

# Harmonies

## Analogous

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



22.1811, 9.8582, 7.9175



19.1423, 9.8582, 1.3459



13.6263, 9.8582, 0.0000

# Triad

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



19.1423, 9.8582, 1.3459



3.1122, 9.8582, 3.1939



10.4970, 9.8582, 65.9852

# Complementary

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



19.1423, 9.8582, 1.3459



23.4096, 35.8019, 41.7661

# 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.



6.1074, 9.8582, 59.3870



19.1423, 9.8582, 1.3459



2.7836, 9.8582, 14.1497

# Square

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



19.1423, 9.8582, 1.3459



4.8011, 9.8582, 0.1888



3.6619, 9.8582, 36.1895



16.1829, 9.8582, 50.1898



# Rectangle

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



19.1423, 9.8582, 1.3459



9.9370, 9.8582, 0.0000



3.6619, 9.8582, 36.1895



8.8248, 9.8582, 66.4307

# Sweetspot

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



19.1425, 9.8588, 1.3460



54.7036, 47.1278, 44.2648



24.0496, 11.4350, 44.6554



11.2930, 9.4029, 8.5343



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.



19.1425, 9.8588, 1.3460



34.2501, 17.6426, 2.2348



21.6017, 14.9149, 1.7412



8.5240, 8.5163, 8.9916



13.2073, 6.8005, 0.9858



0.4249, 0.2177, 0.0802



# Inverse Universe

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



19.1425, 9.8588, 1.3460



34.2501, 17.6426, 2.2348



13.4532, 13.5612, 45.6243



8.5240, 8.5163, 8.9916



13.2073, 6.8005, 0.9858



0.4249, 0.2177, 0.0802



# Previews

## White Background



This preview shows how the XYZ color 19.1423, 9.8582, 1.3459 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

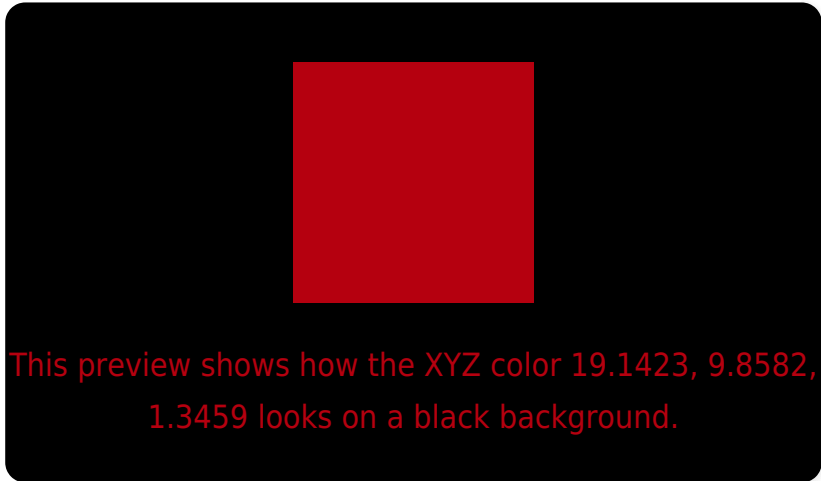
Any Text WCAG AA ✓ Pass

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 19.1423, 9.8582, 1.3459**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.1423, 9.8582, 1.3459.



This preview shows how white text looks on a background with the XYZ color 19.1423, 9.8582,



# 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

19.1423, 9.8582, 1.3459

### Protanopia

9.5540, 10.5780, 2.8345

### Deuteranopia

10.4784, 10.4612, 1.4669



## Tritanopia

19.0228, 10.1042, 0.9477

# Trichromacy



## Original Color

19.1423, 9.8582, 1.3459

## Protanomaly

11.0995, 8.0234, 1.8834

## Deuteranomaly

12.0410, 8.2323, 1.0979

## Tritanomaly

18.9695, 9.9536, 1.0650

# Monochromacy



## Original Color

19.1423, 9.8582, 1.3459

## Achromatopsia

3.7589, 3.9546, 4.3066

## Achromatomaly

6.3979, 4.1885, 2.5691

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.1423, 9.8582, 1.3459 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 15) }
```

## Border

The CSS property to change the border of an element to XYZ 19.1423, 9.8582, 1.3459 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, 15) }
```



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

```
.border{ border-color:rgb(181, 0, 15) }
```

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, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 15)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 19.1423, 9.8582, 1.3459 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, 15) }
```

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

```
.background{ background-color: rgb(181, 0,  
15) }
```

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