

Converting Colors

XYZ(18.1826, 9.3673, 1.1276)

Have a look what the booklet for
XYZ(18.1826, 9.3673, 1.1276)
contains.

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Color

**XYZ(18.1862, 9.3690,
1.1370)**

Conversions

Conversions Part 1

Format	Color
Hex	B1000A
RGB	177, 0, 10
RGB Percent	69%, 0%, 4%
CMY	0.3059, 0.9999, 0.9608
CMYK	0.00, 1.00, 0.94, 0.31
HSL	357°, 100%, 35%
HSV	357°, 100%, 69%
XYZ	18.1862, 9.3690, 1.1370
YIQ	54.0630, 102.2820, 40.6340

Conversions

Conversions Part 2

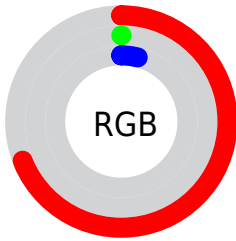
Format	Color
R_{YB}	177, 0, 10
Decimal	11599882
CIE Lab	36.69, 61.03, 47.12
CIE LCh	37, 77.102, 37.673
Yxy	9.3690, 0.6338, 0.3265
Android (android.graphics.Color)	4289789962 (0xFFB1000A)
YUV	54.0630, -21.7231, 107.8157
Hunter-Lab	30.6088, 52.4902, 19.2238

Details

The XYZ color **18.1862, 9.3690, 1.1370** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **22.7003, 34.2353, 41.9859**, and the grayscale version is **3.5334, 3.7174, 4.0482**.

A 20% lighter version of the original color is **39.8101, 24.5881, 6.5187**, and **6.9394, 3.5774, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **18.1859, 9.3689, 1.1362**, and if you desaturate by 10%, it is **18.5376, 9.8487, 1.9429**.

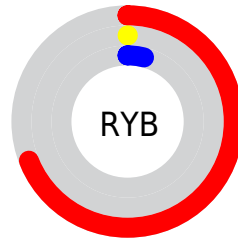
Distribution



Red (69%)

Green (0%)

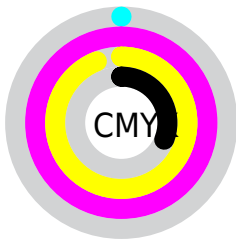
Blue (4%)



Red (69%)

Yellow (0%)

Blue (4%)

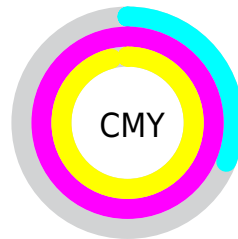


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (31%)



Cyan (31%)

Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1862, 9.3690, 1.1370 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 18.1862, 9.3690, 1.1370 by changing the saturation by 10% instead.


 18.1862, 9.3690,
1.1370


 18.1862, 9.3690,
1.1370


 234.9438,
186.1073, 107.0759


 11.1842, 4.9826,
0.0000


 39.8819, 24.6017,
6.5081


 6.2591, 2.2371,
0.0000


 55.3065, 36.2168,
11.8318


 3.0454, 0.7401,
0.0000

 74.2692, 51.0103,
19.4723

 1.1778, 0.0000,
0.0000

 97.1355, 69.3666,
29.8481


 0.0888, 0.0000,
0.0000


 124.2708, 91.6700,
43.3779


 0.0000, 0.0000,
0.0000


 156.0404,

118.3050, 60.4800


 192.8096,
149.6560, 81.5732


 18.1862, 9.3690,
1.1370


 18.1862, 9.3690,
1.1370


 18.1859, 9.3689,
1.1362

 18.5376, 9.8487,
1.9429

 19.1886, 10.7520,
3.3887

 20.2288, 12.2326,
5.5849

 21.7067, 14.3652,
8.6149

 23.6634, 17.2134,
12.5510

■ 26.1354, 20.8332,
17.4576

■ 29.1558, 25.2751,
23.3932

■ 32.7546, 30.5853,
30.4118

■ 36.9600, 36.8066,
38.5637

Harmonies

Analogous

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



21.2578, 9.3690, 7.1110



18.1862, 9.3690, 1.1370



12.8141, 9.3690, 0.0000

Triad

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



18.1862, 9.3690, 1.1370



2.8739, 9.3690, 3.1731



10.1718, 9.3690, 63.6730

Complementary

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



18.1862, 9.3690, 1.1370



22.7003, 34.2353, 41.9859

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.



5.8846, 9.3690, 58.0351



18.1862, 9.3690, 1.1370



2.6013, 9.3690, 14.0777

Square

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



18.1862, 9.3690, 1.1370



4.4323, 9.3690, 0.1555



3.4823, 9.3690, 35.7366



15.6781, 9.3690, 47.6684

Rectangle

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



18.1862, 9.3690, 1.1370



9.2783, 9.3690, 0.0000



3.4823, 9.3690, 35.7366



8.5418, 9.3690, 64.3917

Sweetspot

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



18.1864, 9.3696, 1.1371



51.9053, 44.8074, 41.2855



23.4950, 11.1959, 42.5172



10.7454, 8.9696, 7.9600



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.



18.1864, 9.3696, 1.1371



32.5451, 16.7693, 1.8998



20.7656, 14.6154, 1.7275



8.5151, 8.5128, 8.9451



13.1841, 6.7912, 0.8634



0.4212, 0.2162, 0.0608

Inverse Universe

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



18.1864, 9.3696, 1.1371



32.5451, 16.7693, 1.8998



12.5234, 12.3490, 43.3181



8.5151, 8.5128, 8.9451



13.1841, 6.7912, 0.8634



0.4212, 0.2162, 0.0608

Previews

White Background



This preview shows how the XYZ color 18.1862, 9.3690, 1.1370 looks on a white background.

Color Contrast Check

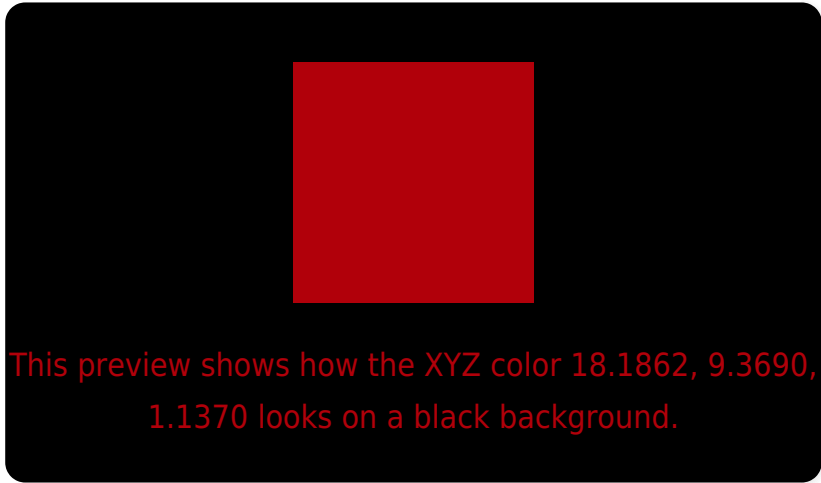
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1862, 9.3690, 1.1370

Background



This preview shows how black text looks on a background with the XYZ color 18.1862, 9.3690, 1.1370.



This preview shows how white text looks on a background with the XYZ color 18.1862, 9.3690,

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

18.1862, 9.3690, 1.1370

Protanopia

9.0981, 10.0962, 2.4465

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

18.0898, 9.6007, 0.8997

Trichromacy



Original Color

18.1862, 9.3690, 1.1370

Protanomaly

10.4915, 7.5660, 1.5692

Deuteranomaly

11.4944, 7.8813, 1.0303

Tritanomaly

18.0350, 9.4560, 0.9895

Monochromacy



Original Color

18.1862, 9.3690, 1.1370

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

6.0675, 3.9366, 2.2738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1862, 9.3690, 1.1370 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(177, 0, 10)` looks like.

```
.text, #text, p{  
    color:rgb(177, 0, 10)  
}
```

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(177, 0, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 0, 10) }
```

Border

The CSS property to change the border of an element to XYZ 18.1862, 9.3690, 1.1370 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(177, 0, 10) }
```


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

```
.border{ border-color:rgb(177, 0, 10) }
```

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

Here you see how a box with a 4 pixel rgb(177, 0, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(177, 0, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1862, 9.3690, 1.1370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 0, 10) }
```

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

```
.background{ background-color: rgb(177, 0,  
10) }
```

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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