

Converting Colors

XYZ(18.8551, 9.7511, 0.9458)

Have a look what the booklet for
XYZ(18.8551, 9.7511, 0.9458)
contains.

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Color

**XYZ(18.8551, 9.7511,
0.9458)**

Conversions

Conversions Part 1

Format	Color
Hex	B40202
RGB	180, 2, 2
RGB Percent	71%, 1%, 1%
CMY	0.2941, 0.9920, 0.9922
CMYK	0.00, 0.99, 0.99, 0.29
HSL	0°, 98%, 36%
HSV	0°, 99%, 71%
XYZ	18.8551, 9.7511, 0.9458
YIQ	55.2220, 106.0880, 37.7360

Conversions

Conversions Part 2

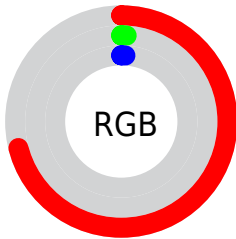
Format	Color
RYB	180, 2, 2
Decimal	11796994
CIELab	37.39, 61.47, 50.94
CIELCh	37, 79.835, 39.649
Yxy	9.7511, 0.6380, 0.3300
Android (android.graphics.Color)	4289987074 (0xFFB40202)
YUV	55.2220, -26.2384, 109.4303
Hunter-Lab	31.2268, 53.1337, 20.0629

Details

The XYZ color **18.8551, 9.7511, 0.9458** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **24.5781, 35.9380, 48.8211**, and the grayscale version is **3.6844, 3.8763, 4.2212**.

A 20% lighter version of the original color is **41.1224, 25.3888, 5.8651**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **18.8226, 9.7039, 0.8810**, and if you desaturate by 10%, it is **19.1992, 10.2551, 1.6293**.

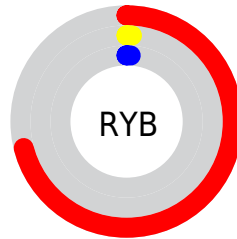
Distribution



Red (71%)

Green (1%)

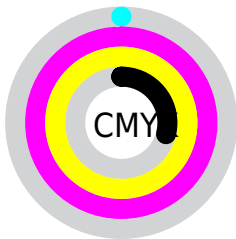
Blue (1%)



Red (71%)

Yellow (1%)

Blue (1%)

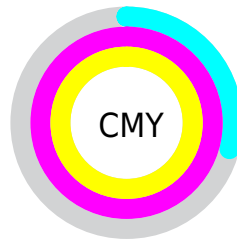


Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (29%)



Cyan (29%)


Magenta (99%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8551, 9.7511, 0.9458 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 18.8551, 9.7511, 0.9458 by changing the saturation by 10% instead.


 18.8551, 9.7511,
0.9458


 18.8551, 9.7511,
0.9458


 238.6012,
188.8863, 102.9303


 11.6690, 5.2342,
0.0000


 41.0079, 25.3263,
5.8801


 6.5893, 2.3853,
0.0000


 56.7053, 37.1534,
10.8907

 3.2506, 0.8183,
0.0000

 75.9705, 52.1861,
18.1549

 1.2877, 0.0000,
0.0000

 99.1689, 70.8087,
28.0914


 0.1740, 0.0000,
0.0000


 126.6658, 93.4056,
41.1186


 0.0000, 0.0000,
0.0000


 158.8265,


120.3612, 57.6552


 196.0166,
152.0600, 78.1196


 18.8551, 9.7511,
0.9458


 18.8551, 9.7511,
0.9458


 18.8226, 9.7039,
0.8810

 19.1992, 10.2551,
1.6293

 19.8661, 11.2310,
2.9545

 20.9513, 12.8192,
5.1115

 22.5084, 15.0977,
8.2064

 24.5826, 18.1329,
12.3296

■ 27.2140, 21.9836,
17.5608

■ 30.4389, 26.7025,
23.9719

■ 34.2904, 32.3382,
31.6287

■ 38.7991, 38.9355,
40.5923

Harmonies

Analogous

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



22.3997, 9.7511, 6.6278



18.8551, 9.7511, 0.9458



13.0435, 9.7511, 0.0000

Triad

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



18.8551, 9.7511, 0.9458



2.8473, 9.7511, 3.6166



10.9805, 9.7511, 67.7694

Complementary

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



18.8551, 9.7511, 0.9458



24.5781, 35.9380, 48.8211

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.



6.3021, 9.7511, 63.2833



18.8551, 9.7511, 0.9458



2.6405, 9.7511, 15.9527

Square

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



18.8551, 9.7511, 0.9458



4.3754, 9.7511, 0.2096



3.6485, 9.7511, 39.7961



16.8854, 9.7511, 49.2509

Rectangle

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



18.8551, 9.7511, 0.9458



9.3274, 9.7511, 0.0000



3.6485, 9.7511, 39.7961



9.2091, 9.7511, 69.1210

Sweetspot

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



18.8553, 9.7517, 0.9459



54.1668, 46.9166, 41.4271



27.0822, 13.0419, 44.2698



11.1704, 9.3546, 7.8864



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.



18.8553, 9.7517, 0.9459



34.1295, 17.5950, 1.5974



22.5743, 17.1898, 2.1856



8.4965, 8.5055, 8.8464



13.1372, 6.7729, 0.6149



0.4134, 0.2132, 0.0194

Inverse Universe

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



24.5781, 35.9380, 48.8211



44.5199, 65.1395, 88.5214



12.0043, 10.7903, 44.6298



8.7426, 9.6313, 10.9046



17.1366, 25.0736, 34.0735



0.5392, 0.7890, 1.0721

Previews

White Background



This preview shows how the XYZ color 18.8551, 9.7511, 0.9458 looks on a white background.

Color Contrast Check

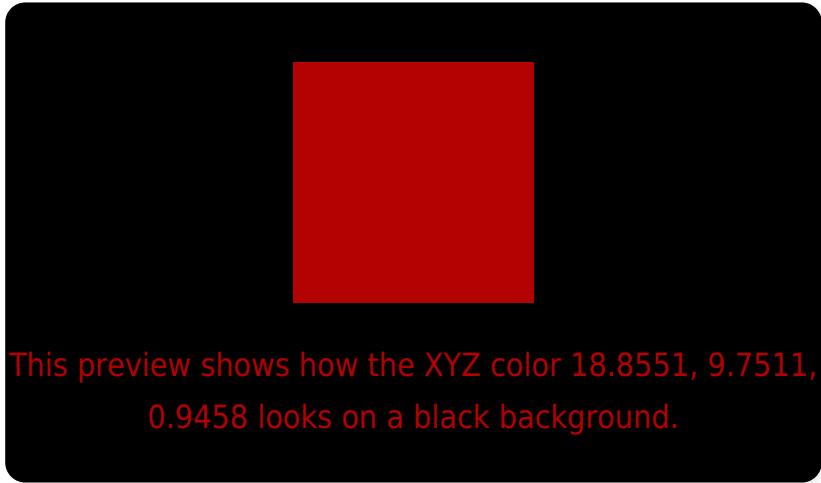
Large Text (above 18pt) WCAG AA ✓ Pass

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

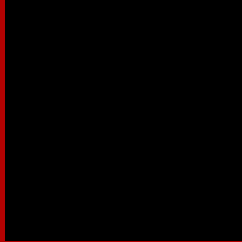
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8551, 9.7511, 0.9458

Background



This preview shows how black text looks on a background with the XYZ color 18.8551, 9.7511, 0.9458.



This preview shows how white text looks on a background with the XYZ color 18.8551, 9.7511,

0.9458.

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

18.8551, 9.7511, 0.9458

Protanopia

9.3752, 10.3688, 2.3179

Deuteranopia

10.2672, 10.2330, 1.4340



Tritanopia

18.7909, 9.9846, 0.9368

Trichromacy



Original Color

18.8551, 9.7511, 0.9458

Protanomaly

10.8561, 7.9082, 1.4062

Deuteranomaly

11.8529, 8.1378, 0.9748

Tritanomaly

18.7274, 9.8488, 0.9427

Monochromacy



Original Color

18.8551, 9.7511, 0.9458

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.2048, 4.0985, 2.1331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8551, 9.7511, 0.9458 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(180, 2, 2)` looks like.

```
.text, #text, p{  
    color:rgb(180, 2, 2)  
}
```

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(180, 2, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 2, 2) }
```

Border

The CSS property to change the border of an element to XYZ 18.8551, 9.7511, 0.9458 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(180, 2, 2) }
```


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

```
.border{ border-color:rgb(180, 2, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 2, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 2, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(180, 2, 2); box-shadow:4px  
4px 4px 4px rgb(180, 2, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8551, 9.7511, 0.9458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 2, 2) }
```

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

```
.background{ background-color: rgb(180, 2,  
2) }
```

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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