

Converting Colors

XYZ(18.9803, 9.7269, 3.5245)

Have a look what the booklet for
XYZ(18.9803, 9.7269, 3.5245)
contains.

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Color

**XYZ(18.8732, 9.6702,
3.5611)**

Conversions

Conversions Part 1

Format	Color
Hex	B2002F
RGB	178, 0, 47
RGB Percent	70%, 0%, 18%
CMY	0.3020, 0.9999, 0.8157
CMYK	0.00, 1.00, 0.74, 0.30
HSL	344°, 100%, 35%
HSV	344°, 100%, 70%
XYZ	18.8732, 9.6702, 3.5611
YIQ	58.5800, 91.0010, 52.3530

Conversions

Conversions Part 2

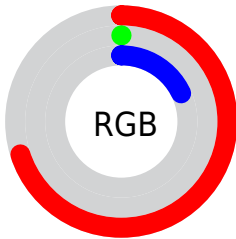
Format	Color
RYB	178, 0, 47
Decimal	11665455
CIELab	37.24, 62.20, 27.84
CIElCh	37, 68.148, 24.112
Yxy	9.6702, 0.5879, 0.3012
Android (android.graphics.Color)	4289855535 (0xFFB2002F)
YUV	58.5800, -5.7089, 104.7313
Hunter-Lab	31.0969, 53.9147, 14.9782

Details

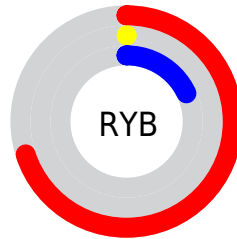
The XYZ color **18.8732, 9.6702, 3.5611** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **20.0194, 33.4803, 26.8904**, and the grayscale version is **4.1009, 4.3144, 4.6984**.

A 20% lighter version of the original color is **41.1201, 25.2284, 13.0582**, and **7.3416, 3.7841, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **18.8727, 9.6700, 3.5588**, and if you desaturate by 10%, it is **19.3919, 10.2194, 5.2396**.

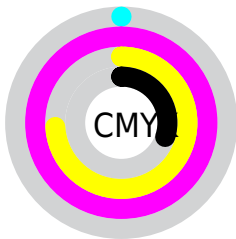
Distribution



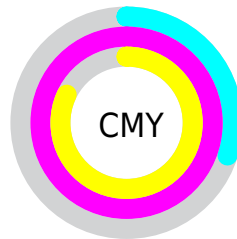
- Red (70%)
- Green (0%)
- Blue (18%)



- Red (70%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8732, 9.6702, 3.5611 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 18.8732, 9.6702, 3.5611 by changing the saturation by 10% instead.


 18.8732, 9.6702,
3.5611


 18.8732, 9.6702,
3.5611


238.6994,
188.3018, 143.2144


 11.6822, 5.1808,
1.3878


 41.0383, 25.1733,
12.9842


 6.5983, 2.3538,
0.1322


 56.7430, 36.9558,
21.0710


 3.2562, 0.8019,
0.0000

 76.0163, 51.9382,
31.9661

 1.2907, 0.0000,
0.0000

 99.2236, 70.5049,
46.0880

 0.1762, 0.0000,
0.0000

 126.7302, 93.0402,
63.8552

 0.0000, 0.0000,
0.0000

 158.9015,

119.9285, 85.6864

196.1028,
151.5542, 111.9999

■ 18.8732, 9.6702,
3.5611

■ 18.8732, 9.6702,
3.5611

■ 18.8727, 9.6700,
3.5588

■ 19.3919, 10.2194,
5.2396

■ 20.1891, 11.1881,
7.4343

■ 21.3449, 12.7273,
10.2006

■ 22.8996, 14.9094,
13.5779

■ 24.8880, 17.7959,
17.6020

■ 27.3409, 21.4412,
22.3055

■ 30.2862, 25.8943,
27.7189

■ 33.7496, 31.2000,
33.8707

■ 37.7548, 37.3998,
40.7878

Harmonies

Analogous

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



19.9785, 9.6702, 13.1225



18.8732, 9.6702, 3.5611



14.8749, 9.6702, 0.6294

Triad

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



18.8732, 9.6702, 3.5611



4.0256, 9.6702, 1.8974



8.3767, 9.6702, 55.3193

Complementary

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



18.8732, 9.6702, 3.5611



20.0194, 33.4803, 26.8904

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.



5.1785, 9.6702, 43.2437



18.8732, 9.6702, 3.5611



3.2155, 9.6702, 8.3023

Square

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



18.8732, 9.6702, 3.5611



6.2357, 9.6702, 0.1406



3.5604, 9.6702, 23.3078



12.9584, 9.6702, 49.7107

Rectangle

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



18.8732, 9.6702, 3.5611



11.6198, 9.6702, 0.0000



3.5604, 9.6702, 23.3078



7.1271, 9.6702, 53.0186

Sweetspot

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



18.8734, 9.6708, 3.5612



54.6128, 46.4867, 49.7072



17.3253, 8.0037, 42.7510



11.5859, 9.5200, 10.0769



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.



18.8734, 9.6708, 3.5612



34.1438, 17.5037, 6.0283



19.1725, 11.0896, 1.1309



8.5854, 8.5409, 9.3151



13.5264, 6.9281, 2.6659



0.4502, 0.2278, 0.2135

Inverse Universe

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



18.8734, 9.6708, 3.5612



34.1438, 17.5037, 6.0283



16.9072, 20.9565, 45.2732



8.5854, 8.5409, 9.3151



13.5264, 6.9281, 2.6659



0.4502, 0.2278, 0.2135

Previews

White Background



This preview shows how the XYZ color 18.8732, 9.6702, 3.5611 looks on a white background.

Color Contrast Check

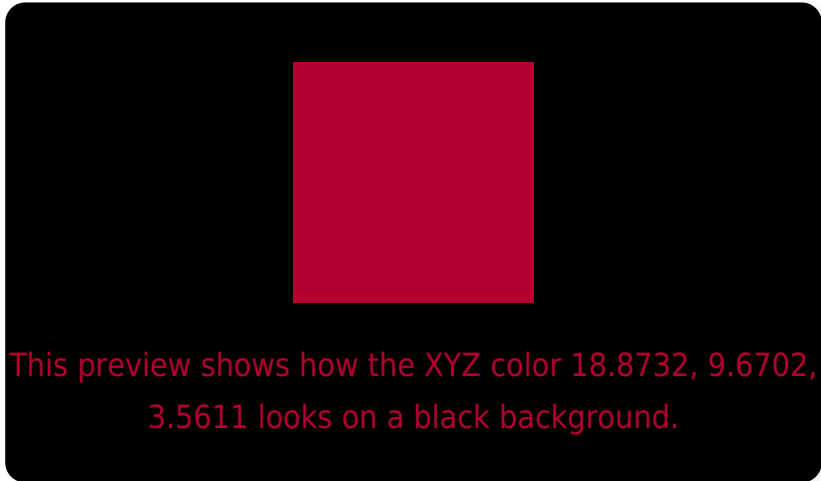
Large Text (above 18pt) WCAG AA ✓ Pass

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

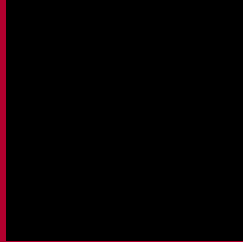
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8732, 9.6702, 3.5611

Background



This preview shows how black text looks on a background with the XYZ color 18.8732, 9.6702, 3.5611.

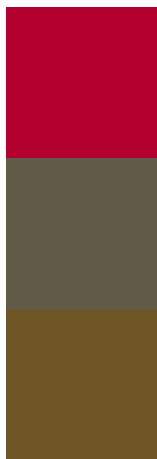


This preview shows how white text looks on a background with the XYZ color 18.8732, 9.6702,

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

18.8732, 9.6702, 3.5611

Protanopia

9.5855, 10.2413, 7.2659

Deuteranopia

10.3438, 10.2339, 3.1804



Tritanopia

18.4436, 9.8446, 1.3436

Trichromacy



Original Color

18.8732, 9.6702, 3.5611

Protanomaly

10.9368, 7.7097, 5.4691

Deuteranomaly

11.9198, 8.1267, 3.0382

Tritanomaly

18.4494, 9.6846, 1.8742

Monochromacy



Original Color

18.8732, 9.6702, 3.5611

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.8622, 4.4868, 4.1188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8732, 9.6702, 3.5611 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(178, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 47)  
}
```

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(178, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 18.8732, 9.6702, 3.5611 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(178, 0, 47) }
```


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

```
.border{ border-color:rgb(178, 0, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 0, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8732, 9.6702, 3.5611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 47) }
```

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

```
.background{ background-color: rgb(178, 0,  
47) }
```

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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