

Converting Colors

XYZ(18.2378, 10.9724, 3.8424)

Have a look what the booklet for
XYZ(18.2378, 10.9724, 3.8424)
contains.

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Color

**XYZ(18.1890, 10.9479,
3.8438)**

Conversions

Conversions Part 1

Format	Color
Hex	AA312F
RGB	170, 49, 47
RGB Percent	67%, 19%, 18%
CMY	0.3333, 0.8078, 0.8157
CMYK	0.00, 0.71, 0.72, 0.33
HSL	1°, 57%, 43%
HSV	1°, 72%, 67%
XYZ	18.1890, 10.9479, 3.8438
YIQ	84.9510, 72.7580, 25.0300

Conversions

Conversions Part 2

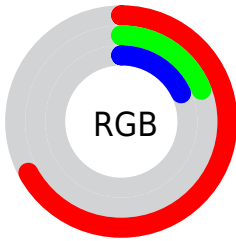
Format	Color
R _Y B	170, 49, 47
Decimal	11153711
CIE Lab	39.49, 48.94, 30.07
CIE LCh	39, 57.440, 31.565
Yxy	10.9479, 0.5515, 0.3319
Android (android.graphics.Color)	4289343791 (0xFFAA312F)
YUV	84.9510, -18.7098, 74.5880
Hunter-Lab	33.0876, 40.2221, 16.2736

Details

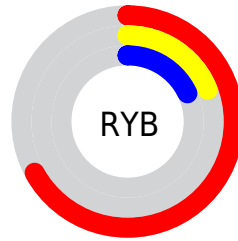
The XYZ color **18.1890, 10.9479, 3.8438** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.4292, 31.5090, 42.9298**, and the grayscale version is **8.6522, 9.1028, 9.9130**.

A 20% lighter version of the original color is **39.7810, 27.4797, 13.5634**, and **6.5610, 3.3817, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **17.3361, 9.6882, 2.1846**, and if you desaturate by 10%, it is **19.4354, 12.7812, 6.2932**.

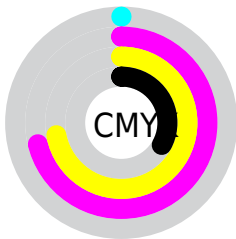
Distribution



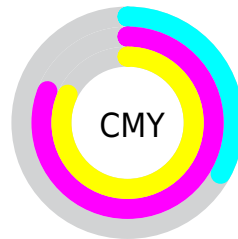
- Red (67%)
- Green (19%)
- Blue (18%)



- Red (67%)
- Yellow (19%)
- Blue (18%)



- Cyan (0%)
- Magenta (71%)
- Yellow (72%)
- Black (33%)





- Cyan (33%)
- Magenta (81%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1890, 10.9479, 3.8438 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 18.1890, 10.9479, 3.8438 by changing the saturation by 10% instead.

 18.1890, 10.9479,
3.8438


 18.1890, 10.9479,
3.8438


234.9592,
197.3098, 146.4731


 11.1863, 6.0318,
1.5401


 39.8867, 27.5638,
13.6479


 6.2605, 2.8644,
0.2475


 55.3123, 40.0324,
21.9853


 3.0463, 1.0614,
0.0000

 74.2764, 55.7872,
33.1710

 1.1783, 0.0000,
0.0000

 97.1441, 75.2128,
47.6236

 0.0891, 0.0000,
0.0000

 124.2809, 98.6934,
65.7615

 0.0000, 0.0000,
0.0000

 156.0521,

126.6136, 88.0034

192.8231,
159.3575, 114.7677

■ 18.1890, 10.9479,
3.8438

■ 18.1890, 10.9479,
3.8438

■ 17.3361, 9.6882,
2.1846

■ 19.4354, 12.7812,
6.2932

■ 16.8290, 8.9328,
1.2180

■ 21.1143, 15.2432,
9.6140

■ 16.6076, 8.6062,
0.7859

■ 23.2606, 18.3848,
13.8780

■ 25.9057, 22.2511,
19.1493

■ 29.0780, 26.8833,
25.4863

■ 32.8041, 32.3195,
32.9432

■ 37.1086, 38.5955,
41.5704

■ 42.0146, 45.7445,
51.4150

■ 47.5440, 53.7984,
62.5220

Harmonies

Analogous

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



19.8421, 10.9479, 11.3435



18.1890, 10.9479, 3.8438



14.3989, 10.9479, 1.2541

Triad

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



18.1890, 10.9479, 3.8438



5.1076, 10.9479, 4.3415



10.6118, 10.9479, 48.8375

Complementary

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



18.1890, 10.9479, 3.8438



22.4292, 31.5090, 42.9298

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.



7.2288, 10.9479, 42.5203



18.1890, 10.9479, 3.8438



4.5669, 10.9479, 12.5165

Square

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



18.1890, 10.9479, 3.8438



6.9541, 10.9479, 1.3894



5.2361, 10.9479, 27.0607



14.8438, 10.9479, 41.1659

Rectangle

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



18.1890, 10.9479, 3.8438



11.5444, 10.9479, 0.7881



5.2361, 10.9479, 27.0607



9.3443, 10.9479, 48.2657

Sweetspot

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



18.1892, 10.9485, 3.8440



52.7303, 48.7349, 46.1846



24.8497, 13.4814, 39.3225



11.4020, 10.3468, 9.5855



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.1892, 10.9485, 3.8440



30.8143, 16.6264, 2.7372



22.5061, 19.5822, 5.2829



7.5406, 7.5612, 7.8513



12.2209, 6.3390, 0.5794



0.3003, 0.1602, 0.0151

Inverse Universe

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



22.4292, 31.5090, 42.9298



38.9202, 56.0314, 77.7657



13.8434, 14.3375, 40.0679



7.7369, 8.5107, 9.6533



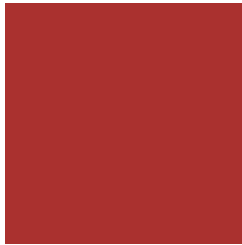
15.5372, 22.5346, 31.5062



0.3812, 0.5546, 0.7676

Previews

White Background



This preview shows how the XYZ color 18.1890, 10.9479, 3.8438 looks on a white background.

Color Contrast Check

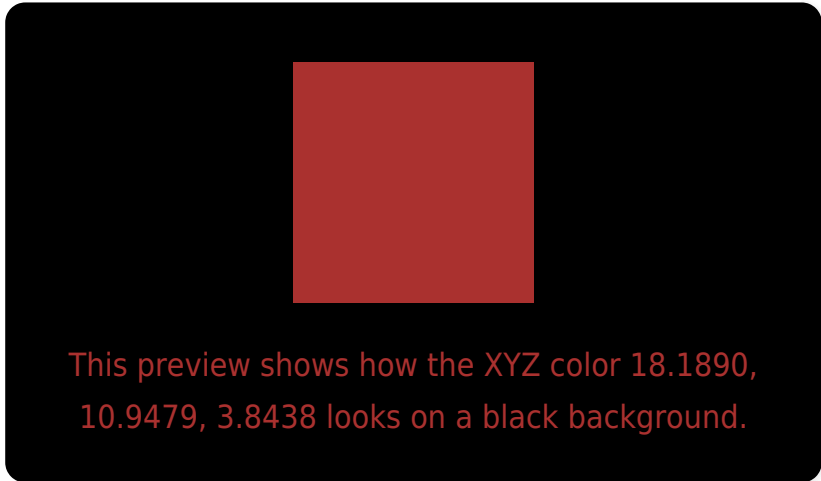
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1890, 10.9479, 3.8438

Background



This preview shows how black text looks on a background with the XYZ color 18.1890, 10.9479, 3.8438.



This preview shows how white text looks on a background with the XYZ color 18.1890, 10.9479,

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

18.1890, 10.9479, 3.8438

Protanopia

10.3517, 11.1780, 6.1694

Deuteranopia

11.2915, 11.0799, 3.5510



Tritanopia

18.2321, 10.8990, 4.2747

Trichromacy



Original Color

18.1890, 10.9479, 3.8438

Protanomaly

12.2153, 10.2562, 5.2067

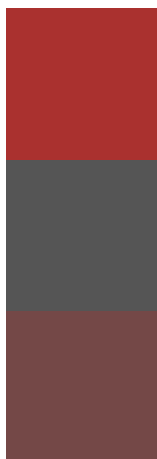
Deuteranomaly

13.0382, 10.3062, 3.5876

Tritanomaly

18.2102, 10.8902, 4.1599

Monochromacy



Original Color

18.1890, 10.9479, 3.8438

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.6572, 8.8027, 7.0986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1890, 10.9479, 3.8438 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(170, 49, 47)` looks like.

```
.text, #text, p{  
    color:rgb(170, 49, 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(170, 49, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 49, 47) }
```

Border

The CSS property to change the border of an element to XYZ 18.1890, 10.9479, 3.8438 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(170, 49, 47) }
```


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

```
.border{ border-color:rgb(170, 49, 47) }
```

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

Here you see how a box with a 4 pixel rgb(170, 49, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 49, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 49, 47);  
box-shadow:4px 4px 4px 4px rgb(170, 49,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1890, 10.9479, 3.8438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 49, 47) }
```

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

```
.background{ background-color: rgb(170, 49,  
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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