

# Converting Colors

XYZ(17.9957, 11.9150, 3.1347)

Have a look what the booklet for  
XYZ(17.9957, 11.9150, 3.1347)  
contains.

<b>XYZ(18.0478, 11.9041, 3.0968)</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(18.0478, 11.9041,  
3.0968)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A73F25
RGB	167, 63, 37
RGB Percent	65%, 25%, 15%
CMY	0.3451, 0.7529, 0.8549
CMYK	0.00, 0.62, 0.78, 0.35
HSL	12°, 64%, 40%
HSV	12°, 78%, 65%
XYZ	18.0478, 11.9041, 3.0968
YIQ	91.1320, 70.3300, 13.9620

# Conversions

## Conversions Part 2

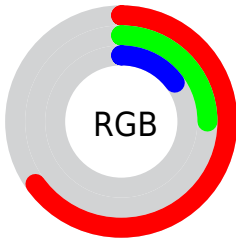
Format	Color
<a href="#">RYB</a>	<a href="#">167, 70, 37</a>
Decimal	<a href="#">10960677</a>
CIELab	<a href="#">41.06, 41.42, 37.34</a>
CIElCh	<a href="#">41, 55.766, 42.029</a>
Yxy	<a href="#">11.9041, 0.5461, 0.3602</a>
Android (android.graphics.Color)	<a href="#">4289150757</a> <a href="#">(0xFFA73F25)</a>
YUV	<a href="#">91.1320, -26.6871, 66.5362</a>
Hunter-Lab	<a href="#">34.5023, 32.9924, 18.8300</a>

# Details

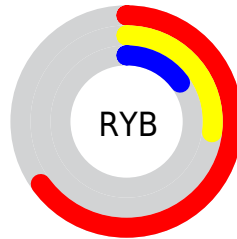
The XYZ color **18.0478, 11.9041, 3.0968** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.2620, 22.2313, 39.9402**, and the grayscale version is **10.0221, 10.5441, 11.4825**.

A 20% lighter version of the original color is **39.7259, 29.3955, 11.9676**, and **6.2278, 3.2750, 0.3039** is the 20% darker color. If you saturate the color by 10%, you get **17.1908, 10.5182, 1.8001**, and if you desaturate by 10%, it is **19.2048, 13.6984, 5.0852**.

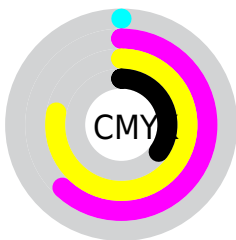
# Distribution



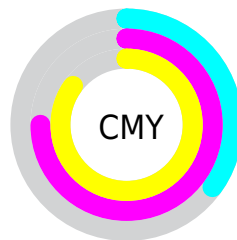
- Red (65%)
- Green (25%)
- Blue (15%)



- Red (65%)
- Yellow (27%)
- Blue (15%)



- Cyan (0%)
- Magenta (62%)
- Yellow (78%)
- Black (35%)




- Cyan (35%)
- Magenta (75%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0478, 11.9041, 3.0968 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 18.0478, 11.9041, 3.0968 by changing the saturation by 10% instead.





 18.0478, 11.9041,  
3.0968


 18.0478, 11.9041,  
3.0968


234.1807,  
203.7694, 137.5841


 11.0842, 6.6784,  
1.1443


 39.6482, 29.3203,  
11.8664


 6.1912, 3.2618,  
0.0000


 55.0157, 42.2796,  
19.5205


 3.0035, 1.2699,  
0.0000

 73.9153, 58.5856,  
29.9123

 1.1556, 0.1177,  
0.0000

 96.7122, 78.6227,  
43.4602

 0.0709, 0.0000,  
0.0000

 123.7718,  
102.7752, 60.5827

 0.0000, 0.0000,  
0.0000

 155.4596,

131.4275, 81.6986

192.1407,  
164.9641, 107.2262

18.0478, 11.9041,  
3.0968

18.0478, 11.9041,  
3.0968

17.1908, 10.5182,  
1.8001

19.2048, 13.6984,  
5.0852

16.5956, 9.5026,  
1.0629

20.6875, 15.9288,  
7.8452

16.4915, 9.3259,  
0.9309

22.5193, 18.6225,  
11.4461

24.7215, 21.8042,  
15.9495

27.3133, 25.4966,  
21.4109

■ 30.3128, 29.7210,  
27.8817

■ 33.7369, 34.4975,  
35.4092

■ 37.6013, 39.8452,  
44.0380

■ 41.9211, 45.7821,  
53.8101

# Harmonies

## Analogous

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



20.6338, 11.9041, 8.8894



18.0478, 11.9041, 3.0968



13.8589, 11.9041, 1.2685

# Triad

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



18.0478, 11.9041, 3.0968



5.4594, 11.9041, 7.2812



12.9953, 11.9041, 48.6763

# Complementary

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



18.0478, 11.9041, 3.0968



17.2620, 22.2313, 39.9402

# 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.



9.1023, 11.9041, 47.2616



18.0478, 11.9041, 3.0968



5.3333, 11.9041, 18.1188

# Square

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



18.0478, 11.9041, 3.0968



6.9046, 11.9041, 2.5155



6.5067, 11.9041, 34.0258



17.2886, 11.9041, 37.1937



# Rectangle

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



18.0478, 11.9041, 3.0968



11.0442, 11.9041, 1.0562



6.5067, 11.9041, 34.0258



11.5892, 11.9041, 49.8211

# Sweetspot

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



18.0481, 11.9048, 3.0970



51.2031, 48.8927, 43.2481



21.4055, 11.4617, 26.2834



11.0519, 10.3675, 8.8058



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



18.0481, 11.9048, 3.0970



30.0184, 17.5282, 2.2596



23.9894, 23.7874, 5.0774



7.6482, 7.7764, 7.8872



12.6485, 7.1943, 0.7220



0.3410, 0.2415, 0.0287



# Inverse Universe

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



17.2620, 22.2313, 39.9402



28.3006, 36.3175, 70.9937



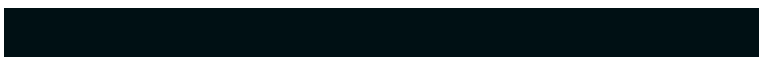
10.3225, 8.3523, 37.6270



7.6182, 8.2733, 9.6137



11.8528, 15.1658, 30.2781

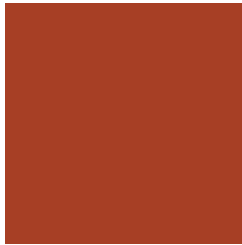


0.3199, 0.4320, 0.7472



# Previews

## White Background



This preview shows how the XYZ color 18.0478, 11.9041, 3.0968 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

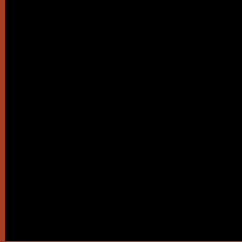
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 18.0478, 11.9041, 3.0968**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.0478, 11.9041, 3.0968.



This preview shows how white text looks on a background with the XYZ color 18.0478, 11.9041,



# 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

18.0478, 11.9041, 3.0968

### Protanopia

11.0651, 12.1287, 4.4472

### Deuteranopia

12.1622, 12.0550, 2.8482



## Tritanopia

18.6615, 11.9154, 6.0190

# Trichromacy



## Original Color

18.0478, 11.9041, 3.0968

## Protanomaly

12.7378, 11.3385, 3.8027

## Deuteranomaly

13.7592, 11.5421, 2.8692

## Tritanomaly

18.4830, 11.9287, 4.8183

# Monochromacy



## Original Color

18.0478, 11.9041, 3.0968

## Achromatopsia

9.9438, 10.4616, 11.3927

## Achromatomaly

11.6875, 10.2617, 7.3259

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.0478, 11.9041, 3.0968 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(167, 63, 37)` looks like.

```
.text, #text, p{  
    color:rgb(167, 63, 37)  
}
```

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(167, 63, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 63, 37) }
```

## Border

The CSS property to change the border of an element to XYZ 18.0478, 11.9041, 3.0968 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(167, 63, 37) }
```



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

```
.border{ border-color:rgb(167, 63, 37) }
```

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

Here you see how a box with a 4 pixel rgb(167, 63, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 63, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 63, 37);  
box-shadow:4px 4px 4px 4px rgb(167, 63,  
37) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.0478, 11.9041, 3.0968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 63, 37) }
```

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

```
.background{ background-color: rgb(167, 63,  
37) }
```

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