

# Converting Colors

XYZ(18.8242, 13.5057, 3.2048)

Have a look what the booklet for  
XYZ(18.8242, 13.5057, 3.2048)  
contains.

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# Color

**XYZ(18.8242, 13.5057,  
3.2048)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A74C23
RGB	167, 76, 35
RGB Percent	65%, 30%, 14%
CMY	0.3451, 0.7019, 0.8627
CMYK	0.00, 0.54, 0.79, 0.35
HSL	19°, 65%, 40%
HSV	19°, 79%, 65%
XYZ	18.8242, 13.5057, 3.2048
YIQ	98.5350, 67.3970, 6.5410

# Conversions

## Conversions Part 2

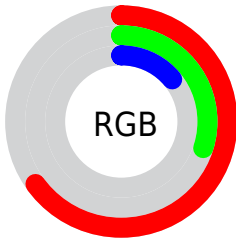
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	167, 94, 35
Decimal	10964003
CIE Lab	43.52, 34.92, 40.86
CIE LCh	44, 53.748, 49.486
Yxy	13.5057, 0.5297, 0.3801
Android (android.graphics.Color)	4289154083 (0xFFA74C23)
YUV	98.5350, -31.3228, 60.0438
Hunter-Lab	36.7501, 27.1189, 20.5547

# Details

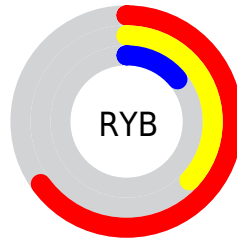
The XYZ color **18.8242, 13.5057, 3.2048** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.1285, 18.0679, 39.2492**, and the grayscale version is **11.8076, 12.4225, 13.5281**.

A 20% lighter version of the original color is **40.7909, 32.1188, 12.0323**, and **6.6761, 3.9900, 0.4183** is the 20% darker color. If you saturate the color by 10%, you get **17.9093, 11.9828, 1.9542**, and if you desaturate by 10%, it is **19.9997, 15.3612, 5.1245**.

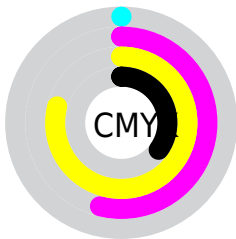
# Distribution



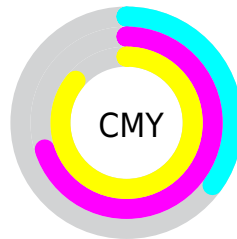
- Red (65%)
- Green (30%)
- Blue (14%)



- Red (65%)
- Yellow (37%)
- Blue (14%)



- Cyan (0%)
- Magenta (54%)
- Yellow (79%)
- Black (35%)




- Cyan (35%)
- Magenta (70%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8242, 13.5057, 3.2048 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 18.8242, 13.5057, 3.2048 by changing the saturation by 10% instead.





 18.8242, 13.5057,  
3.2048


 18.8242, 13.5057,  
3.2048


238.4333,  
214.1337, 138.9278


 11.6466, 7.7777,  
1.2001


 40.9560, 32.2094,  
12.1297


 6.5740, 3.9530,  
0.0000


 56.6409, 45.9538,  
19.8871


 3.2411, 1.6473,  
0.0000

 75.8922, 63.1391,  
30.3991

 1.2825, 0.3892,  
0.0000

 99.0754, 84.1498,  
44.0843

 0.1701, 0.0000,  
0.0000

 126.5557,  
109.3702, 61.3612

 0.0000, 0.0000,  
0.0000

 158.6986,

139.1847, 82.6484

195.8693,  
173.9778, 108.3644

18.8242, 13.5057,  
3.2048

18.8242, 13.5057,  
3.2048

17.9093, 11.9828,  
1.9542

19.9997, 15.3612,  
5.1245

17.2173, 10.7634,  
1.2161

21.4566, 17.5671,  
7.7931

17.1588, 10.6605,  
1.1533

23.2146, 20.1422,  
11.2796

25.2909, 23.1033,  
15.6451

27.7015, 26.4661,  
20.9444

■ 30.4611, 30.2453,  
27.2283

■ 33.5836, 34.4551,  
34.5436

■ 37.0820, 39.1085,  
42.9342

■ 40.9688, 44.2185,  
52.4413

# Harmonies

## Analogous

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



22.0446, 13.5057, 8.2655



18.8242, 13.5057, 3.2048



14.3661, 13.5057, 1.6776

# Triad

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



18.8242, 13.5057, 3.2048



6.4256, 13.5057, 10.8790



15.7208, 13.5057, 49.0173

# Complementary

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



18.8242, 13.5057, 3.2048



15.1285, 18.0679, 39.2492

# 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.



11.4200, 13.5057, 51.1348



18.8242, 13.5057, 3.2048



6.6338, 13.5057, 23.8390

# Square

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



18.8242, 13.5057, 3.2048



7.6278, 13.5057, 4.2225



8.2762, 13.5057, 40.1975



19.9999, 13.5057, 35.4045



# Rectangle

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



18.8242, 13.5057, 3.2048



11.5524, 13.5057, 1.6608



8.2762, 13.5057, 40.1975



14.2130, 13.5057, 51.3002

# Sweetspot

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



18.8245, 13.5064, 3.2050



51.8094, 50.4231, 42.4706



20.3943, 10.9603, 21.2563



11.2243, 10.7756, 8.6682



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.



18.8245, 13.5064, 3.2050



31.1032, 19.7426, 2.4831



25.7057, 27.2688, 5.4988



7.7142, 7.9084, 7.9092



13.1695, 8.2362, 0.8956



0.3655, 0.2905, 0.0368



# Inverse Universe

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



15.1285, 18.0679, 39.2492



23.9838, 27.7789, 69.5731



9.3584, 6.5278, 37.3259



7.5480, 8.1329, 9.5903



10.0844, 11.6290, 29.6886



0.2877, 0.3677, 0.7365



# Previews

## White Background



This preview shows how the XYZ color 18.8242, 13.5057, 3.2048 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



This preview shows how the XYZ color 18.8242, 13.5057, 3.2048 looks on a 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 18.8242, 13.5057, 3.2048**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.8242, 13.5057, 3.2048.



This preview shows how white text looks on a background with the XYZ color 18.8242, 13.5057,



# 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

18.8242, 13.5057, 3.2048

### Protanopia

12.4566, 13.7199, 4.2772

### Deuteranopia

13.7832, 13.5650, 2.9905



## Tritanopia

19.9841, 13.5915, 8.4076

# Trichromacy



## Original Color

18.8242, 13.5057, 3.2048

## Protanomaly

14.2172, 13.2269, 3.8112

## Deuteranomaly

15.2312, 13.2509, 3.0512

## Tritanomaly

19.3733, 13.4268, 5.9854

# Monochromacy



## Original Color

18.8242, 13.5057, 3.2048

## Achromatopsia

11.8596, 12.4772, 13.5877

## Achromatomaly

13.3578, 12.2891, 8.5055

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.8242, 13.5057, 3.2048 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, 76, 35)` looks like.

```
.text, #text, p{  
    color:rgb(167, 76, 35)  
}
```

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, 76, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 76, 35) }
```

## Border

The CSS property to change the border of an element to XYZ 18.8242, 13.5057, 3.2048 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, 76, 35) }
```



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

```
.border{ border-color:rgb(167, 76, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 76, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 76, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 76, 35);  
box-shadow:4px 4px 4px 4px rgb(167, 76,  
35) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.8242, 13.5057, 3.2048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 76, 35) }
```

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

```
.background{ background-color: rgb(167, 76,  
35) }
```

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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