

Converting Colors

XYZ(18.4056, 13.0490, 3.0010)

Have a look what the booklet for
XYZ(18.4056, 13.0490, 3.0010)
contains.

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Color

**XYZ(18.4492, 13.1144,
2.9978)**

Conversions

Conversions Part 1

Format	Color
Hex	A64A21
RGB	166, 74, 33
RGB Percent	65%, 29%, 13%
CMY	0.3490, 0.7098, 0.8706
CMYK	0.00, 0.55, 0.80, 0.35
HSL	18°, 67%, 39%
HSV	18°, 80%, 65%
XYZ	18.4492, 13.1144, 2.9978
YIQ	96.8340, 67.9930, 6.7530

Conversions

Conversions Part 2

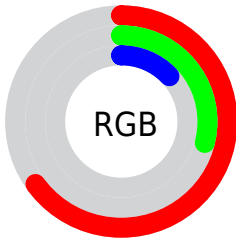
Format	Color
R_{YB}	166, 92, 33
Decimal	10897953
CIE Lab	42.94, 35.47, 41.22
CIE LCh	43, 54.381, 49.288
Yxy	13.1144, 0.5338, 0.3795
Android (android.graphics.Color)	4289088033 (0xFFA64A21)
YUV	96.8340, -31.4702, 60.6586
Hunter-Lab	36.2138, 27.5630, 20.4416

Details

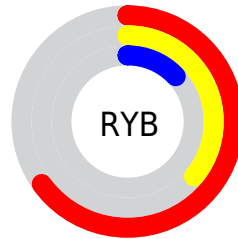
The XYZ color **18.4492, 13.1144, 2.9978** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.8431, 17.7424, 38.7184**, and the grayscale version is **11.3851, 11.9781, 13.0441**.

A 20% lighter version of the original color is **40.4601, 31.5773, 11.5520**, and **6.5110, 3.8414, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **17.5736, 11.6481, 1.8282**, and if you desaturate by 10%, it is **19.5800, 14.9079, 4.8182**.

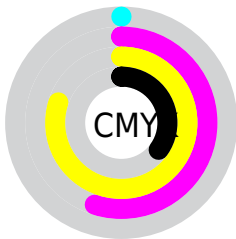
Distribution



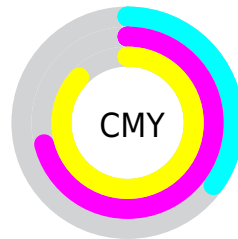
- Red (65%)
- Green (29%)
- Blue (13%)



- Red (65%)
- Yellow (36%)
- Blue (13%)



- Cyan (0%)
- Magenta (55%)
- Yellow (80%)
- Black (35%)





- Cyan (35%)
- Magenta (71%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4492, 13.1144, 2.9978 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 18.4492, 13.1144, 2.9978 by changing the saturation by 10% instead.


 18.4492, 13.1144,
2.9978


 18.4492, 13.1144,
2.9978


236.3878,
211.6495, 136.3326


 11.3746, 7.5074,
1.0935


 40.3254, 31.5092,
11.6230

 6.3885, 3.7814,
0.0000


 55.8577, 45.0657,
19.1810


 3.1256, 1.5520,
0.0000

 74.9399, 62.0408,
29.4607

 1.2205, 0.3249,
0.0000

 97.9375, 82.8189,
42.8805

 0.1225, 0.0000,
0.0000

 125.2157,
107.7845, 59.8591

 0.0000, 0.0000,
0.0000

 157.1399,

137.3219, 80.8149

194.0755,
171.8154, 106.1666

18.4492, 13.1144,
2.9978

18.4492, 13.1144,
2.9978

17.5736, 11.6481,
1.8282

19.5800, 14.9079,
4.8182

16.9175, 10.4903,
1.1332

20.9870, 17.0465,
7.3696

22.6898, 19.5491,
10.7209

24.7057, 22.4326,
14.9330

27.0505, 25.7125,
20.0606

■ 29.7391, 29.4037,
26.1541

■ 32.7851, 33.5202,
33.2600

■ 36.2016, 38.0751,
41.4219

■ 40.0010, 43.0813,
50.6807

Harmonies

Analogous

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



21.6501, 13.1144, 7.9663



18.4492, 13.1144, 2.9978



14.0127, 13.1144, 1.5221

Triad

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



18.4492, 13.1144, 2.9978



6.1377, 13.1144, 10.4279



15.3005, 13.1144, 48.6898

Complementary

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



18.4492, 13.1144, 2.9978



14.8431, 17.7424, 38.7184

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.



11.0354, 13.1144, 50.7278



18.4492, 13.1144, 2.9978



6.3329, 13.1144, 23.2699

Square

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



18.4492, 13.1144, 2.9978



7.3283, 13.1144, 3.9383



7.9386, 13.1144, 39.6601



19.5706, 13.1144, 35.0602

Rectangle

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



18.4492, 13.1144, 2.9978



11.2170, 13.1144, 1.5000



7.9386, 13.1144, 39.6601



13.8020, 13.1144, 50.9585

Sweetspot

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



18.4495, 13.1151, 2.9980



51.7848, 50.3738, 42.4624



20.0420, 10.7037, 20.7822



11.2183, 10.7635, 8.6661



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.



18.4495, 13.1151, 2.9980



30.9595, 19.4743, 2.3761



25.2909, 26.7980, 5.2785



7.7128, 7.9056, 7.9087



13.1561, 8.2094, 0.8912



0.3650, 0.2895, 0.0366

Inverse Universe

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



14.8431, 17.7424, 38.7184



23.9257, 27.7033, 69.5615



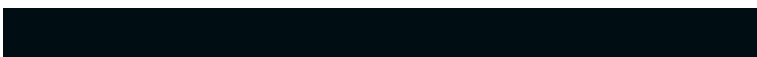
9.1052, 6.2666, 36.8058



7.5495, 8.1359, 9.5908



10.1184, 11.6969, 29.6999



0.2884, 0.3690, 0.7367

Previews

White Background



This preview shows how the XYZ color 18.4492, 13.1144, 2.9978 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 18.4492, 13.1144, 2.9978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

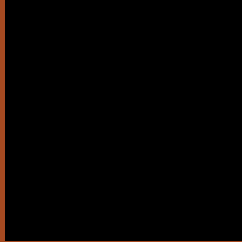
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4492, 13.1144, 2.9978

Background



This preview shows how black text looks on a background with the XYZ color 18.4492, 13.1144, 2.9978.



This preview shows how white text looks on a background with the XYZ color 18.4492, 13.1144,

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

18.4492, 13.1144, 2.9978

Protanopia

12.0910, 13.2402, 4.0162

Deuteranopia

13.3522, 13.2088, 2.7655



Tritanopia

19.5746, 13.1996, 7.9946

Trichromacy



Original Color

18.4492, 13.1144, 2.9978

Protanomaly

13.8499, 12.7808, 3.5707

Deuteranomaly

14.9373, 12.9794, 2.8166

Tritanomaly

18.9790, 13.0377, 5.6539

Monochromacy



Original Color

18.4492, 13.1144, 2.9978

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.8344, 11.7767, 8.0753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4492, 13.1144, 2.9978 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(166, 74, 33)` looks like.

```
.text, #text, p{  
    color:rgb(166, 74, 33)  
}
```

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(166, 74, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 74, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.4492, 13.1144, 2.9978 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(166, 74, 33) }
```


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

```
.border{ border-color:rgb(166, 74, 33) }
```

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

Here you see how a box with a 4 pixel rgb(166, 74, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 74, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 74, 33);  
box-shadow:4px 4px 4px 4px rgb(166, 74,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4492, 13.1144, 2.9978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 74, 33) }
```

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

```
.background{ background-color: rgb(166, 74,  
33) }
```

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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