

Converting Colors

XYZ(18.4255, 13.3806, 2.8794)

Have a look what the booklet for
XYZ(18.4255, 13.3806, 2.8794)
contains.

XYZ(18.4182, 13.4060, 2.9132)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.4182, 13.4060,
2.9132)**

Conversions

Conversions Part 1

Format	Color
Hex	A54D1F
RGB	165, 77, 31
RGB Percent	65%, 30%, 12%
CMY	0.3529, 0.6980, 0.8784
CMYK	0.00, 0.53, 0.81, 0.35
HSL	21°, 68%, 38%
HSV	21°, 81%, 65%
XYZ	18.4182, 13.4060, 2.9132
YIQ	98.0680, 67.2140, 4.3500

Conversions

Conversions Part 2

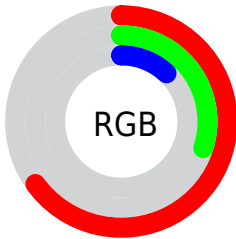
Format	Color
R _Y B	165, 101, 31
Decimal	10833183
CIE Lab	43.37, 33.44, 42.54
CIE LCh	43, 54.111, 51.832
Yxy	13.4060, 0.5302, 0.3859
Android (android.graphics.Color)	4289023263 (0xFFA54D1F)
YUV	98.0680, -33.0645, 58.6994
Hunter-Lab	36.6142, 25.7168, 20.9125

Details

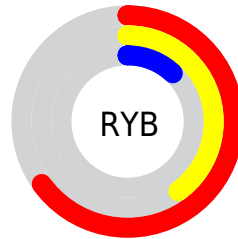
The XYZ color **18.4182, 13.4060, 2.9132** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.9528, 16.2004, 37.9885**, and the grayscale version is **11.6949, 12.3039, 13.3989**.

A 20% lighter version of the original color is **40.1818, 32.0104, 11.4580**, and **6.4787, 3.9563, 0.4222** is the 20% darker color. If you saturate the color by 10%, you get **17.5578, 11.9487, 1.8145**, and if you desaturate by 10%, it is **19.5168, 15.1619, 4.6406**.

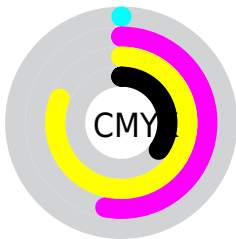
Distribution



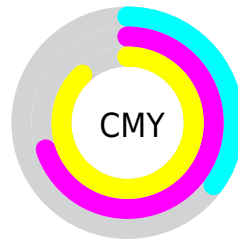
- Red (65%)
- Green (30%)
- Blue (12%)



- Red (65%)
- Yellow (40%)
- Blue (12%)



- Cyan (0%)
- Magenta (53%)
- Yellow (81%)
- Black (35%)





- Cyan (35%)
- Magenta (70%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4182, 13.4060, 2.9132 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 18.4182, 13.4060, 2.9132 by changing the saturation by 10% instead.


 18.4182, 13.4060,
2.9132


 18.4182, 13.4060,
2.9132


236.2180,
213.5035, 135.2473


 11.3522, 7.7087,
1.0505


 40.2732, 32.0313,
11.4135


 6.3733, 3.9091,
0.0000


 55.7928, 45.7281,
18.8881

 3.1161, 1.6229,
0.0000

 74.8610, 62.8601,
29.0705

 1.2155, 0.3729,
0.0000

 97.8431, 83.8119,
42.3792

 0.1185, 0.0000,
0.0000

 125.1045,
108.9677, 59.2327

 0.0000, 0.0000,
0.0000

 157.0106,

138.7120, 80.0495

193.9266,
173.4291, 105.2482

18.4182, 13.4060,
2.9132

18.4182, 13.4060,
2.9132

17.5578, 11.9487,
1.8145

19.5168, 15.1619,
4.6406

16.9626, 10.8908,
1.2081

20.8735, 17.2318,
7.0766

22.5068, 19.6325,
10.2901

24.4328, 22.3787,
14.3413

26.6665, 25.4842,
19.2846

■ 29.2217, 28.9619,
25.1695

■ 32.1112, 32.8242,
32.0422

■ 35.3473, 37.0826,
39.9454

■ 38.9414, 41.7485,
48.9197

Harmonies

Analogous

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



21.8144, 13.4060, 7.5696



18.4182, 13.4060, 2.9132



13.9253, 13.4060, 1.5816

Triad

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



18.4182, 13.4060, 2.9132



6.2989, 13.4060, 11.5487



15.9905, 13.4060, 48.3554

Complementary

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



18.4182, 13.4060, 2.9132



13.9528, 16.2004, 37.9885

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.



11.6277, 13.4060, 51.5926



18.4182, 13.4060, 2.9132



6.6152, 13.4060, 25.0088

Square

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



18.4182, 13.4060, 2.9132



7.3851, 13.4060, 4.4558



8.3712, 13.4060, 41.4085



20.2118, 13.4060, 34.0845

Rectangle

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



18.4182, 13.4060, 2.9132



11.1555, 13.4060, 1.6407



8.3712, 13.4060, 41.4085



14.4722, 13.4060, 50.9986

Sweetspot

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



18.4185, 13.4067, 2.9134



50.7927, 49.7842, 41.4849



19.4173, 10.3435, 18.8486



10.7657, 10.4230, 8.2894



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.4185, 13.4067, 2.9134



30.5325, 19.7550, 2.3884



25.5366, 27.6430, 5.2861



7.2633, 7.4651, 7.4382



12.8752, 8.3244, 0.9282



0.3132, 0.2602, 0.0337

Inverse Universe

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



13.9528, 16.2004, 37.9885



22.0461, 24.5117, 67.3216



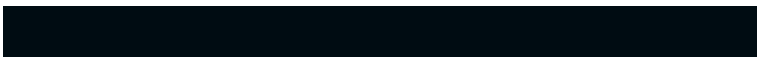
8.6450, 5.5847, 36.2192



7.0704, 7.5998, 8.9973



9.2706, 10.3206, 28.4332



0.2361, 0.2994, 0.6112

Previews

White Background



This preview shows how the XYZ color 18.4182, 13.4060, 2.9132 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 18.4182, 13.4060, 2.9132 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 18.4182, 13.4060, 2.9132

Background



This preview shows how black text looks on a background with the XYZ color 18.4182, 13.4060, 2.9132.



This preview shows how white text looks on a background with the XYZ color 18.4182, 13.4060,

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

18.4182, 13.4060, 2.9132

Protanopia

12.2703, 13.4853, 3.7899

Deuteranopia

13.7283, 13.5431, 2.7011



Tritanopia

19.5933, 13.3860, 8.5723

Trichromacy



Original Color

18.4182, 13.4060, 2.9132

Protanomaly

13.9789, 13.1133, 3.3845

Deuteranomaly

15.1703, 13.2265, 2.7307

Tritanomaly

18.9903, 13.3308, 5.8472

Monochromacy



Original Color

18.4182, 13.4060, 2.9132

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9182, 11.9443, 8.1032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4182, 13.4060, 2.9132 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(165, 77, 31)` looks like.

```
.text, #text, p{  
    color:rgb(165, 77, 31)  
}
```

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(165, 77, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 77, 31) }
```

Border

The CSS property to change the border of an element to XYZ 18.4182, 13.4060, 2.9132 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(165, 77, 31) }
```


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

```
.border{ border-color:rgb(165, 77, 31) }
```

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

Here you see how a box with a 4 pixel rgb(165, 77, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 77, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 77, 31);  
box-shadow:4px 4px 4px 4px rgb(165, 77,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4182, 13.4060, 2.9132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 77, 31) }
```

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

```
.background{ background-color: rgb(165, 77,  
31) }
```

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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