

Converting Colors

XYZ(18.3451, 12.5103, 2.1098)

Have a look what the booklet for
XYZ(18.3451, 12.5103, 2.1098)
contains.

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Color

**XYZ(18.3418, 12.5096,
2.1097)**

Conversions

Conversions Part 1

Format	Color
Hex	A84414
RGB	168, 68, 20
RGB Percent	66%, 27%, 8%
CMY	0.3412, 0.7333, 0.9216
CMYK	0.00, 0.60, 0.88, 0.34
HSL	19°, 79%, 37%
HSV	19°, 88%, 66%
XYZ	18.3418, 12.5096, 2.1097
YIQ	92.4280, 75.0080, 6.2720

Conversions

Conversions Part 2

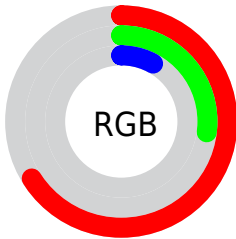
Format	Color
R_{YB}	168, 91, 20
Decimal	11027476
CIE _{Lab}	42.01, 38.87, 46.31
CIE _{LCh}	42, 60.462, 49.988
Yxy	12.5096, 0.5565, 0.3795
Android (android.graphics.Color)	4289217556 (0xFFA84414)
YUV	92.4280, -35.7070, 66.2766
Hunter-Lab	35.3689, 30.6719, 21.2217

Details

The XYZ color **18.3418, 12.5096, 2.1097** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.0721, 16.4074, 39.4706**, and the grayscale version is **10.3400, 10.8785, 11.8467**.

A 20% lighter version of the original color is **39.9841, 30.2813, 9.3677**, and **6.3552, 3.5298, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **17.6120, 11.2241, 1.3302**, and if you desaturate by 10%, it is **19.3009, 14.1007, 3.4384**.

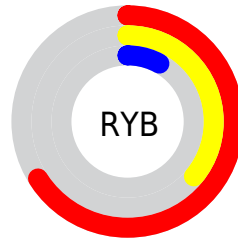
Distribution



Red (66%)

Green (27%)

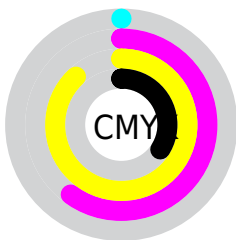
Blue (8%)



Red (66%)

Yellow (36%)

Blue (8%)

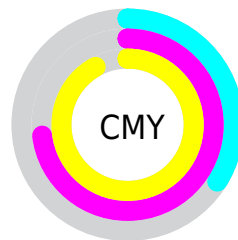


Cyan (0%)

Magenta (60%)

Yellow (88%)

Black (34%)



Cyan (34%)

Magenta (73%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3418, 12.5096, 2.1097 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 18.3418, 12.5096, 2.1097 by changing the saturation by 10% instead.

■ 18.3418, 12.5096,
2.1097

■ 18.3418, 12.5096,
2.1097

235.7991,
207.7504, 124.0576

■ 11.2968, 7.0917,
0.6215

■ 40.1444, 30.4199,
9.3386

■ 6.3356, 3.5195,
0.0000

■ 55.6328, 43.6811,
15.9554

■ 3.0928, 1.4086,
0.0000

■ 74.6663, 60.3256,
25.1319

■ 1.2030, 0.2231,
0.0000

■ 97.6104, 80.7377,
37.2865


■ 0.1088, 0.0000,
0.0000


■ 124.8304,
105.3018, 52.8379


■ 0.0000, 0.0000,
0.0000


■ 156.6916,


134.4024, 72.2045


 193.5594,
168.4238, 95.8049


 18.3418, 12.5096,
2.1097


 18.3418, 12.5096,
2.1097


 17.6120, 11.2241,
1.3302


 19.3009, 14.1007,
3.4384

 17.4905, 11.0092,
1.2031

 20.5210, 16.0197,
5.4517

 22.0236, 18.2863,
8.2299

 23.8277, 20.9179,
11.8418

 25.9503, 23.9308,
16.3484

■ 28.4070, 27.3398,
21.8052

■ 31.2125, 31.1593,
28.2629

■ 34.3803, 35.4028,
35.7687

■ 37.9233, 40.0831,
44.3667

Harmonies

Analogous

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



21.9761, 12.5096, 6.8023



18.3418, 12.5096, 2.1097



13.4534, 12.5096, 0.9018

Triad

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



18.3418, 12.5096, 2.1097



5.2586, 12.5096, 9.7620



15.0884, 12.5096, 52.5152

Complementary

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



18.3418, 12.5096, 2.1097



14.0721, 16.4074, 39.4706

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.



10.4527, 12.5096, 55.2961



18.3418, 12.5096, 2.1097



5.4872, 12.5096, 23.9283

Square

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



18.3418, 12.5096, 2.1097



6.4322, 12.5096, 3.1124



7.1622, 12.5096, 42.6483



19.7943, 12.5096, 36.4731

Rectangle

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



18.3418, 12.5096, 2.1097



10.4560, 12.5096, 0.9015



7.1622, 12.5096, 42.6483



13.4494, 12.5096, 55.3008

Sweetspot

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



18.3421, 12.5103, 2.1099



52.3289, 50.6823, 41.3386



19.8578, 10.2089, 19.0559



11.0623, 10.5750, 8.2335



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.



18.3421, 12.5103, 2.1099



31.5655, 19.6300, 2.1253



25.7797, 27.3856, 4.5891



7.7224, 7.9249, 7.9119



13.2505, 8.3983, 0.9227



0.3685, 0.2966, 0.0378

Inverse Universe

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



14.0721, 16.4074, 39.4706



23.4419, 26.3625, 71.0781



8.3782, 5.0197, 37.5727



7.5394, 8.1157, 9.5875



9.8875, 11.2352, 29.6230



0.2840, 0.3602, 0.7352

Previews

White Background



This preview shows how the XYZ color 18.3418, 12.5096, 2.1097 looks on a white background.

Color Contrast Check

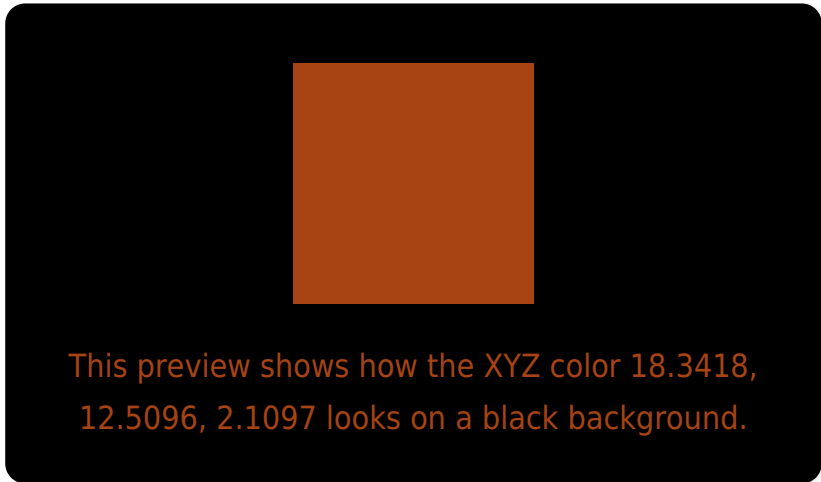
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3418, 12.5096, 2.1097

Background



This preview shows how black text looks on a background with the XYZ color 18.3418, 12.5096, 2.1097.



This preview shows how white text looks on a background with the XYZ color 18.3418, 12.5096,

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

18.3418, 12.5096, 2.1097

Protanopia

11.4489, 12.6429, 2.9355

Deuteranopia

12.6964, 12.6200, 1.7667



Tritanopia

19.2087, 12.5071, 6.7119

Trichromacy



Original Color

18.3418, 12.5096, 2.1097

Protanomaly

13.1809, 11.9552, 2.5326

Deuteranomaly

14.2714, 12.1751, 1.7989

Tritanomaly

18.8282, 12.4459, 4.4276

Monochromacy



Original Color

18.3418, 12.5096, 2.1097

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.8224, 10.5729, 6.5719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3418, 12.5096, 2.1097 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(168, 68, 20)` looks like.

```
.text, #text, p{  
    color:rgb(168, 68, 20)  
}
```

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(168, 68, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 68, 20) }
```

Border

The CSS property to change the border of an element to XYZ 18.3418, 12.5096, 2.1097 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(168, 68, 20) }
```


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

```
.border{ border-color:rgb(168, 68, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 68, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 68, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 68, 20);  
box-shadow:4px 4px 4px 4px rgb(168, 68,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3418, 12.5096, 2.1097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 68, 20) }
```

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

```
.background{ background-color: rgb(168, 68,  
20) }
```

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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