

Converting Colors

XYZ(23.4498, 18.3662, 3.1201)

Have a look what the booklet for
XYZ(23.4498, 18.3662, 3.1201)
contains.

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Color

**XYZ(23.4854, 18.4350,
3.1311)**

Conversions

Conversions Part 1

Format	Color
Hex	B56117
RGB	181, 97, 23
RGB Percent	71%, 38%, 9%
CMY	0.2902, 0.6196, 0.9098
CMYK	0.00, 0.46, 0.87, 0.29
HSL	28°, 77%, 40%
HSV	28°, 87%, 71%
XYZ	23.4854, 18.4350, 3.1311
YIQ	113.6800, 73.8180, -5.2060

Conversions

Conversions Part 2

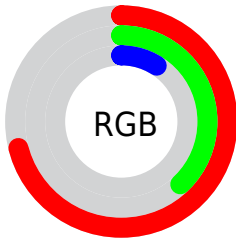
Format	Color
RYB	181, 162, 23
Decimal	11886871
CIELab	50.02, 29.19, 52.55
CIElCh	50, 60.114, 60.952
Yxy	18.4350, 0.5213, 0.4092
Android (android.graphics.Color)	4290076951 (0xFFB56117)
YUV	113.6800, -44.7052, 59.0396
Hunter-Lab	42.9360, 22.4990, 25.7315

Details

The XYZ color **23.4854, 18.4350, 3.1311** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.9512, 14.0330, 45.6891**, and the grayscale version is **16.0130, 16.8470, 18.3463**.

A 20% lighter version of the original color is **48.6354, 40.8801, 11.9839**, and **9.1244, 6.3342, 0.7417** is the 20% darker color. If you saturate the color by 10%, you get **22.5221, 16.7131, 2.1797**, and if you desaturate by 10%, it is **24.6769, 20.4225, 4.7485**.

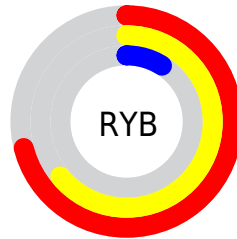
Distribution



Red (71%)

Green (38%)

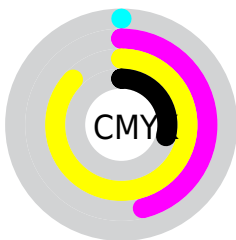
Blue (9%)



Red (71%)

Yellow (64%)

Blue (9%)

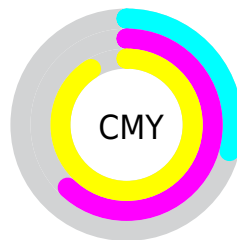


Cyan (0%)

Magenta (46%)

Yellow (87%)

Black (29%)



Cyan (29%)


Magenta (62%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4854, 18.4350, 3.1311 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 23.4854, 18.4350, 3.1311 by changing the saturation by 10% instead.


 23.4854, 18.4350,
3.1311


 23.4854, 18.4350,
3.1311


262.6974,
243.3116, 138.0132


 15.0750, 11.2627,
1.1620


 48.6499, 40.7772,
11.9503


 8.9587, 6.2438,
0.0000


 66.1348, 56.7159,
19.6374

 4.7711, 2.9939,
0.0000

 87.3752, 76.3455,
30.0675

 2.1470, 1.1286,
0.0000

 112.7364,
100.0505, 43.6593

 0.7146, 0.0022,
0.0000

 142.5839,
128.2152, 60.8312

 0.0000, 0.0000,
0.0000

 177.2830,

161.2240, 82.0018

217.1991,
199.4614, 107.5896

23.4854, 18.4350,
3.1311

23.4854, 18.4350,
3.1311

22.5221, 16.7131,
2.1797

24.6769, 20.4225,
4.7485

22.2869, 16.2856,
1.9688

26.1249, 22.6901,
7.1680

27.8507, 25.2529,
10.4837

29.8730, 28.1235,
14.7766

32.2082, 31.3138,
20.1181

■ 34.8716, 34.8347,
26.5733

■ 37.8772, 38.6966,
34.2015

■ 41.2383, 42.9092,
43.0581

■ 44.9672, 47.4821,
53.1949

Harmonies

Analogous

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



28.8744, 18.4350, 7.7565



23.4854, 18.4350, 3.1311



17.3380, 18.4350, 2.1101

Triad

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



23.4854, 18.4350, 3.1311



8.5991, 18.4350, 20.6059



23.8762, 18.4350, 61.5633

Complementary

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



23.4854, 18.4350, 3.1311



13.9512, 14.0330, 45.6891

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.



17.7072, 18.4350, 71.6165



23.4854, 18.4350, 3.1311



9.6199, 18.4350, 41.2745

Square

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



23.4854, 18.4350, 3.1311



9.4967, 18.4350, 8.2525



12.6644, 18.4350, 62.6860



29.1327, 18.4350, 39.8115

Rectangle

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



23.4854, 18.4350, 3.1311



13.8435, 18.4350, 2.6129



12.6644, 18.4350, 62.6860



21.8003, 18.4350, 66.8277

Sweetspot

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



23.4858, 18.4360, 3.1314



62.8917, 62.9572, 48.6795



22.0303, 11.5038, 15.0432



13.2241, 13.1254, 9.6087



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.4858, 18.4360, 3.1314



39.6923, 28.7207, 3.4516



34.6836, 40.8315, 6.8640



8.8136, 9.1396, 8.9521



15.4325, 11.3635, 1.3800



0.5441, 0.4747, 0.0629

Inverse Universe

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



13.9512, 14.0330, 45.6891



22.2355, 20.5708, 81.0932



9.1155, 4.3617, 44.0772



8.4035, 8.9531, 10.7915



8.7173, 8.2350, 31.2671



0.3320, 0.3746, 1.0030

Previews

White Background



This preview shows how the XYZ color 23.4854, 18.4350, 3.1311 looks on a white 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

Black Background



This preview shows how the XYZ color 23.4854, 18.4350, 3.1311 looks on a black 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

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

XYZ 23.4854, 18.4350, 3.1311

Background



This preview shows how black text looks on a background with the XYZ color 23.4854, 18.4350, 3.1311.



This preview shows how white text looks on a background with the XYZ color 23.4854, 18.4350,

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

23.4854, 18.4350, 3.1311

Protanopia

16.7698, 18.5900, 3.8668

Deuteranopia

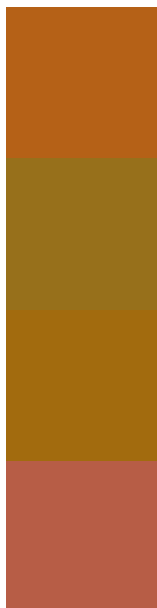
18.7169, 18.4093, 2.8253



Tritanopia

25.5810, 18.3657, 13.5059

Trichromacy



Original Color

23.4854, 18.4350, 3.1311

Protanomaly

18.7545, 18.2468, 3.5704

Deuteranomaly

20.2373, 18.2285, 2.8673

Tritanomaly

24.5483, 18.3382, 8.0401

Monochromacy



Original Color

23.4854, 18.4350, 3.1311

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.3290, 16.7225, 10.0990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4854, 18.4350, 3.1311 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(181, 97, 23)` looks like.

```
.text, #text, p{  
    color:rgb(181, 97, 23)  
}
```

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(181, 97, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 97, 23) }
```

Border

The CSS property to change the border of an element to XYZ 23.4854, 18.4350, 3.1311 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(181, 97, 23) }
```


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

```
.border{ border-color:rgb(181, 97, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 97, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 97, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 97, 23);  
box-shadow:4px 4px 4px 4px rgb(181, 97,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4854, 18.4350, 3.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 97, 23) }
```

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

```
.background{ background-color: rgb(181, 97,  
23) }
```

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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