

Converting Colors

XYZ(23.9731, 15.8213, 4.4609)

Have a look what the booklet for
XYZ(23.9731, 15.8213, 4.4609)
contains.

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Color

**XYZ(23.8819, 15.7891,
4.4782)**

Conversions

Conversions Part 1

Format	Color
Hex	BD492F
RGB	189, 73, 47
RGB Percent	74%, 29%, 18%
CMY	0.2588, 0.7137, 0.8157
CMYK	0.00, 0.61, 0.75, 0.26
HSL	11°, 60%, 46%
HSV	11°, 75%, 74%
XYZ	23.8819, 15.7891, 4.4782
YIQ	104.7200, 77.4820, 16.5060

Conversions

Conversions Part 2

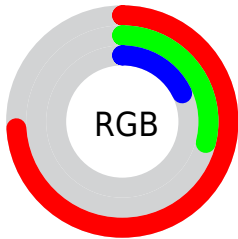
Format	Color
RYB	189, 79, 47
Decimal	12405039
CIELab	46.70, 45.27, 39.06
CIElCh	47, 59.790, 40.791
Yxy	15.7891, 0.5409, 0.3576
Android (android.graphics.Color)	4290595119 (0xFFBD492F)
YUV	104.7200, -28.4560, 73.9136
Hunter-Lab	39.7355, 37.7453, 21.1329

Details

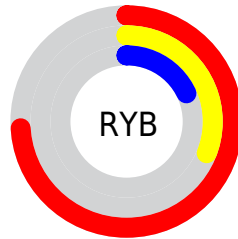
The XYZ color **23.8819, 15.7891, 4.4782** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **23.4536, 30.4705, 52.7891**, and the grayscale version is **13.4119, 14.1104, 15.3662**.

A 20% lighter version of the original color is **49.2649, 36.2391, 14.9880**, and **9.2241, 5.0088, 0.4806** is the 20% darker color. If you saturate the color by 10%, you get **22.6883, 13.8859, 2.5894**, and if you desaturate by 10%, it is **25.4930, 18.2637, 7.3206**.

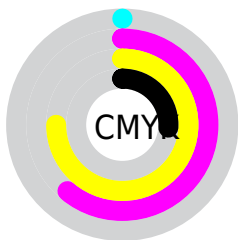
Distribution



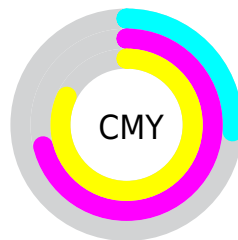
- Red (74%)
- Green (29%)
- Blue (18%)



- Red (74%)
- Yellow (31%)
- Blue (18%)



- Cyan (0%)
- Magenta (61%)
- Yellow (75%)
- Black (26%)





- Cyan (26%)
- Magenta (71%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8819, 15.7891, 4.4782 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 23.8819, 15.7891, 4.4782 by changing the saturation by 10% instead.


 23.8819, 15.7891,
4.4782


 23.8819, 15.7891,
4.4782


264.6744,
228.0940, 153.4009


 15.3703, 9.3750,
1.8912


 49.2935, 36.2317,
15.0984


 9.1677, 4.9866,
0.4871


 66.9242, 51.0290,
23.9687

 4.9087, 2.2394,
0.0000

 88.3253, 69.3895,
35.7705

 2.2280, 0.7414,
0.0000

 113.8622, 91.6976,
50.9223

 0.7574, 0.0000,
0.0000

 143.9002,
118.3377, 69.8427

 0.0000, 0.0000,
0.0000

 178.8046,

149.6943, 92.9503

218.9409,
186.1515, 120.6635

■ 23.8819, 15.7891,
4.4782

■ 23.8819, 15.7891,
4.4782

■ 22.6883, 13.8859,
2.5894

■ 25.4930, 18.2637,
7.3206

■ 21.8691, 12.5041,
1.5251

■ 27.5566, 21.3488,
11.2212

■ 21.5759, 11.9982,
1.1787

■ 30.1049, 25.0827,
16.2719

■ 33.1670, 29.5002,
22.5541

■ 36.7695, 34.6333,
30.1420

■ 40.9370, 40.5120,
39.1037

■ 45.6928, 47.1646,
49.5028

■ 51.0587, 54.6180,
61.3987

■ 57.0556, 62.8977,
74.8475

Harmonies

Analogous

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



27.0721, 15.7891, 12.3845



23.8819, 15.7891, 4.4782



18.5285, 15.7891, 1.8739

Triad

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



23.8819, 15.7891, 4.4782



7.4293, 15.7891, 9.4105



16.9504, 15.7891, 63.1964

Complementary

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



23.8819, 15.7891, 4.4782



23.4536, 30.4705, 52.7891

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.



11.9627, 15.7891, 60.6503



23.8819, 15.7891, 4.4782



7.1950, 15.7891, 23.1051

Square

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



23.8819, 15.7891, 4.4782



9.3949, 15.7891, 3.3759



8.6585, 15.7891, 43.3739



22.5004, 15.7891, 49.0953

Rectangle

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



23.8819, 15.7891, 4.4782



14.8699, 15.7891, 1.5349



8.6585, 15.7891, 43.3739



15.1451, 15.7891, 64.3991

Sweetspot

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



23.8823, 15.7900, 4.4785



67.0963, 63.7872, 56.6336



28.8246, 15.5806, 37.2446



13.8883, 12.9511, 11.0282



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.8823, 15.7900, 4.4785



39.6369, 23.2056, 3.2806



31.1227, 30.2710, 6.8919



9.6677, 9.8115, 9.9609



14.5585, 8.1558, 0.8069



0.6139, 0.4068, 0.0462

Inverse Universe

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



23.4536, 30.4705, 52.7891



38.5391, 50.1804, 93.8808



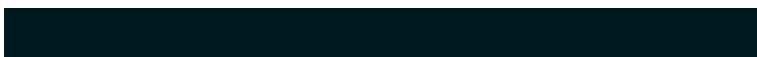
14.3900, 12.3434, 49.7679



9.6560, 10.5043, 12.1908



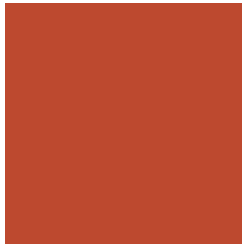
14.0496, 18.2108, 35.1675



0.5896, 0.7919, 1.3906

Previews

White Background



This preview shows how the XYZ color 23.8819, 15.7891, 4.4782 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 23.8819, 15.7891, 4.4782 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 23.8819, 15.7891, 4.4782

Background



This preview shows how black text looks on a background with the XYZ color 23.8819, 15.7891, 4.4782.



This preview shows how white text looks on a background with the XYZ color 23.8819, 15.7891,

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

23.8819, 15.7891, 4.4782

Protanopia

14.6422, 15.8956, 6.4341

Deuteranopia

16.1677, 15.9435, 4.1447



Tritanopia

24.6614, 15.8219, 8.2327

Trichromacy



Original Color

23.8819, 15.7891, 4.4782

Protanomaly

16.9969, 15.0283, 5.6193

Deuteranomaly

18.3252, 15.3407, 4.1857

Tritanomaly

24.4139, 15.8238, 6.6180

Monochromacy



Original Color

23.8819, 15.7891, 4.4782

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.6679, 13.7030, 10.2067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8819, 15.7891, 4.4782 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(189, 73, 47)` looks like.

```
.text, #text, p{  
    color:rgb(189, 73, 47)  
}
```

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(189, 73, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 73, 47) }
```

Border

The CSS property to change the border of an element to XYZ 23.8819, 15.7891, 4.4782 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(189, 73, 47) }
```


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

```
.border{ border-color:rgb(189, 73, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 73, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 73, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 73, 47);  
box-shadow:4px 4px 4px 4px rgb(189, 73,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8819, 15.7891, 4.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 73, 47) }
```

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

```
.background{ background-color: rgb(189, 73,  
47) }
```

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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