

Converting Colors

XYZ(23.5899, 15.5395, 4.5524)

Have a look what the booklet for
XYZ(23.5899, 15.5395, 4.5524)
contains.

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Color

**XYZ(23.5899, 15.5395,
4.5524)**

Conversions

Conversions Part 1

Format	Color
Hex	BC4830
RGB	188, 72, 48
RGB Percent	74%, 28%, 19%
CMY	0.2627, 0.7176, 0.8118
CMYK	0.00, 0.62, 0.74, 0.26
HSL	10°, 59%, 46%
HSV	10°, 74%, 74%
XYZ	23.5899, 15.5395, 4.5524
YIQ	103.9480, 76.8400, 17.1280

Conversions

Conversions Part 2

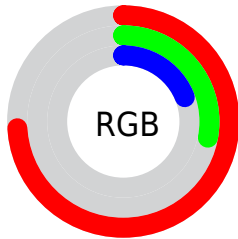
Format	Color
RYB	188, 77, 48
Decimal	12339248
CIELab	46.36, 45.41, 38.11
CIELCh	46, 59.280, 40.006
Yxy	15.5395, 0.5400, 0.3557
Android (android.graphics.Color)	4290529328 (0xFFBC4830)
YUV	103.9480, -27.5824, 73.7136
Hunter-Lab	39.4202, 37.8330, 20.7471

Details

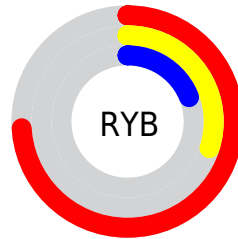
The XYZ color **23.5899, 15.5395, 4.5524** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **23.5702, 30.8076, 52.2808**, and the grayscale version is **13.2019, 13.8895, 15.1256**.

A 20% lighter version of the original color is **48.8235, 35.8174, 15.1666**, and **9.0701, 4.9077, 0.5267** is the 20% darker color. If you saturate the color by 10%, you get **22.3983, 13.6513, 2.6299**, and if you desaturate by 10%, it is **25.2017, 18.0054, 7.4260**.

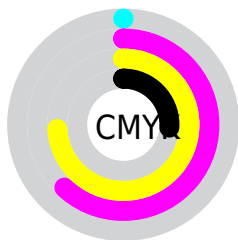
Distribution



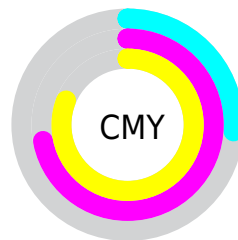
- Red (74%)
- Green (28%)
- Blue (19%)



- Red (74%)
- Yellow (30%)
- Blue (19%)



- Cyan (0%)
- Magenta (62%)
- Yellow (74%)
- Black (26%)





- Cyan (26%)
- Magenta (72%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5899, 15.5395, 4.5524 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 23.5899, 15.5395, 4.5524 by changing the saturation by 10% instead.


 23.5899, 15.5395,
4.5524


 23.5899, 15.5395,
4.5524


263.2197,
226.6088, 154.1805


 15.1528, 9.1989,
1.9330


 48.8197, 35.7969,
15.2650


 9.0137, 4.8711,
0.5136


 66.3431, 50.4824,
24.1952


 4.8073, 2.1719,
0.0000

 87.6260, 68.7184,
36.0662

 2.1682, 0.7046,
0.0000

 113.0336, 90.8893,
51.2964

 0.7259, 0.0000,
0.0000

 142.9315,
117.3793, 70.3044

 0.0000, 0.0000,
0.0000

 177.6849,

148.5730, 93.5087

217.6591,
184.8547, 121.3279

■ 23.5899, 15.5395,
4.5524

■ 23.5899, 15.5395,
4.5524

■ 22.3983, 13.6513,
2.6299

■ 25.2017, 18.0054,
7.4260

■ 21.5838, 12.2900,
1.5333

■ 27.2687, 21.0891,
11.3534

■ 21.2618, 11.7372,
1.1449

■ 29.8234, 24.8298,
16.4244

■ 32.8949, 29.2630,
22.7194

■ 36.5100, 34.4214,
30.3111

■ 40.6934, 40.3356,
39.2668

■ 45.4686, 47.0346,
49.6491

■ 50.8576, 54.5457,
61.5165

■ 56.8811, 62.8950,
74.9244

Harmonies

Analogous

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



26.6336, 15.5395, 12.5083



23.5899, 15.5395, 4.5524



18.3691, 15.5395, 1.8937

Triad

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



23.5899, 15.5395, 4.5524



7.3589, 15.5395, 9.0418



16.5335, 15.5395, 62.1489

Complementary

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



23.5899, 15.5395, 4.5524



23.5702, 30.8076, 52.2808

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.



11.6744, 15.5395, 59.1951



23.5899, 15.5395, 4.5524



7.0856, 15.5395, 22.2630

Square

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



23.5899, 15.5395, 4.5524



9.3366, 15.5395, 3.2623



8.4783, 15.5395, 42.0398



21.9842, 15.5395, 48.6814

Rectangle

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



23.5899, 15.5395, 4.5524



14.7688, 15.5395, 1.5284



8.4783, 15.5395, 42.0398



14.7709, 15.5395, 63.1678

Sweetspot

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



23.5903, 15.5404, 4.5527



67.6800, 64.5272, 58.1458



28.5571, 15.5097, 36.9268



14.1388, 13.2866, 11.6213



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.



23.5903, 15.5404, 4.5527



39.6331, 23.1547, 3.4130



30.8465, 30.0529, 6.9714



9.6589, 9.7937, 9.9579



14.5147, 8.0682, 0.7923



0.6101, 0.3990, 0.0449

Inverse Universe

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



23.5702, 30.8076, 52.2808



39.3206, 51.6515, 94.1235



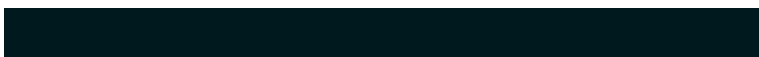
14.3583, 12.3838, 49.2102



9.6656, 10.5235, 12.1940



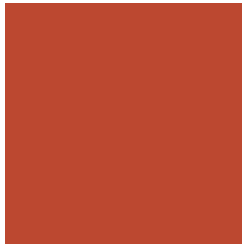
14.2951, 18.7018, 35.2493



0.5973, 0.8073, 1.3932

Previews

White Background



This preview shows how the XYZ color 23.5899, 15.5395, 4.5524 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 23.5899, 15.5395, 4.5524 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 23.5899, 15.5395, 4.5524

Background



This preview shows how black text looks on a background with the XYZ color 23.5899, 15.5395, 4.5524.



This preview shows how white text looks on a background with the XYZ color 23.5899, 15.5395,

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

23.5899, 15.5395, 4.5524

Protanopia

14.5261, 15.8327, 6.5654

Deuteranopia

15.9158, 15.6596, 4.1912



Tritanopia

24.3170, 15.5561, 8.0243

Trichromacy



Original Color

23.5899, 15.5395, 4.5524

Protanomaly

16.8426, 14.9459, 5.7385

Deuteranomaly

18.0607, 15.0710, 4.2426

Tritanomaly

24.1018, 15.5693, 6.5854

Monochromacy



Original Color

23.5899, 15.5395, 4.5524

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.4191, 13.4453, 10.1700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5899, 15.5395, 4.5524 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(188, 72, 48)` looks like.

```
.text, #text, p{  
    color:rgb(188, 72, 48)  
}
```

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(188, 72, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 72, 48) }
```

Border

The CSS property to change the border of an element to XYZ 23.5899, 15.5395, 4.5524 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(188, 72, 48) }
```


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

```
.border{ border-color:rgb(188, 72, 48) }
```

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

Here you see how a box with a 4 pixel rgb(188, 72, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 72, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 72, 48);  
box-shadow:4px 4px 4px 4px rgb(188, 72,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5899, 15.5395, 4.5524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 72, 48) }
```

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

```
.background{ background-color: rgb(188, 72,  
48) }
```

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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