

Converting Colors

XYZ(23.8706, 15.3359, 7.0133)

Have a look what the booklet for
XYZ(23.8706, 15.3359, 7.0133)
contains.

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Color

**XYZ(23.8803, 15.3529,
7.0150)**

Conversions

Conversions Part 1

Format	Color
Hex	BC4543
RGB	188, 69, 67
RGB Percent	74%, 27%, 26%
CMY	0.2627, 0.7294, 0.7373
CMYK	0.00, 0.63, 0.64, 0.26
HSL	1°, 47%, 50%
HSV	1°, 64%, 74%
XYZ	23.8803, 15.3529, 7.0150
YIQ	104.3530, 71.5660, 24.6060

Conversions

Conversions Part 2

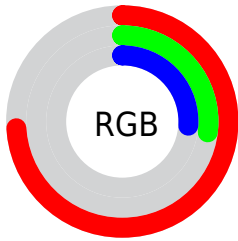
Format	Color
RYB	188, 69, 67
Decimal	12338499
CIELab	46.11, 47.77, 26.92
CIELCh	46, 54.832, 29.398
Yxy	15.3529, 0.5164, 0.3320
Android (android.graphics.Color)	4290528579 (0xFFBC4543)
YUV	104.3530, -18.4150, 73.3584
Hunter-Lab	39.1828, 40.2186, 16.8131

Details

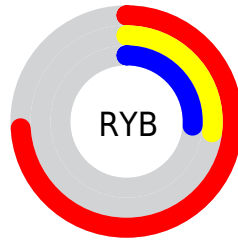
The XYZ color **23.8803, 15.3529, 7.0150** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.9492, 39.9388, 53.7598**, and the grayscale version is **13.2879, 13.9800, 15.2242**.

A 20% lighter version of the original color is **49.1210, 35.2966, 20.4436**, and **9.1212, 4.7637, 1.3029** is the 20% darker color. If you saturate the color by 10%, you get **22.4395, 13.2323, 4.1895**, and if you desaturate by 10%, it is **25.8591, 18.2570, 10.9231**.

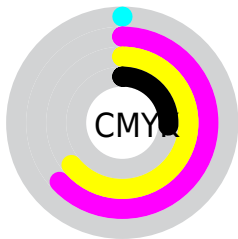
Distribution



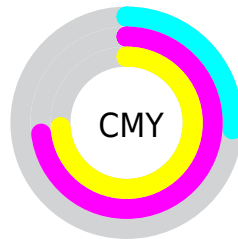
- Red (74%)
- Green (27%)
- Blue (26%)



- Red (74%)
- Yellow (27%)
- Blue (26%)



- Cyan (0%)
- Magenta (63%)
- Yellow (64%)
- Black (26%)





- Cyan (26%)
- Magenta (73%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8803, 15.3529, 7.0150 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 23.8803, 15.3529, 7.0150 by changing the saturation by 10% instead.


 23.8803, 15.3529,
7.0150


 23.8803, 15.3529,
7.0150


264.6665,
225.4924, 177.4239


 15.3691, 9.0674,
3.3929


 49.2909, 35.4711,
20.5168


 9.1668, 4.7852,
1.2986


 66.9210, 50.0726,
31.2335

 4.9081, 2.1218,
0.0606

 88.3215, 68.2149,
45.1522

 2.2277, 0.6768,
0.0000

 113.8576, 90.2824,
62.6914

 0.7573, 0.0000,
0.0000

 143.8949,
116.6596, 84.2696

 0.0000, 0.0000,
0.0000

178.7985,

147.7307, 110.3054

218.9339,
183.8801, 141.2174

■ 23.8803, 15.3529,
7.0150

■ 23.8803, 15.3529,
7.0150

■ 22.4395, 13.2323,
4.1895

■ 25.8591, 18.2570,
10.9231

■ 21.4830, 11.8167,
2.3371

■ 28.4206, 22.0078,
16.0073

■ 20.9480, 11.0165,
1.3269

■ 31.6062, 26.6654,
22.3518

■ 20.7728, 10.7590,
0.9818

■ 35.4530, 32.2833,
30.0330

■ 39.9954, 38.9113,
39.1212

■ 45.2653, 46.5954,
49.6817

■ 51.2927, 55.3789,
61.7758

■ 58.1059, 65.3027,
75.4613

■ 65.7316, 76.4056,
90.7930

Harmonies

Analogous

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



25.5189, 15.3529, 16.9881



23.8803, 15.3529, 7.0150



19.6491, 15.3529, 2.9248

Triad

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



23.8803, 15.3529, 7.0150



8.1559, 15.3529, 6.7562



14.4984, 15.3529, 57.7809

Complementary

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



23.8803, 15.3529, 7.0150



28.9492, 39.9388, 53.7598

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.



10.4876, 15.3529, 49.9878



23.8803, 15.3529, 7.0150



7.3379, 15.3529, 16.4483

Square

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



23.8803, 15.3529, 7.0150



10.6191, 15.3529, 2.8412



8.0921, 15.3529, 32.7539



19.4507, 15.3529, 50.5501

Rectangle

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



23.8803, 15.3529, 7.0150



16.3050, 15.3529, 2.0490



8.0921, 15.3529, 32.7539



13.0043, 15.3529, 56.7878

Sweetspot

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



23.8807, 15.3538, 7.0153



68.2499, 64.3413, 62.4224



31.8232, 18.3365, 49.4387



14.1809, 13.1126, 12.4317



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.



23.8807, 15.3538, 7.0153



39.8939, 22.8374, 6.0859



29.4062, 26.4048, 8.8571



9.5425, 9.5610, 9.9192



14.1487, 7.3362, 0.6703



0.5586, 0.2962, 0.0277

Inverse Universe

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



28.9492, 39.9388, 53.7598



49.7539, 70.7400, 97.2581



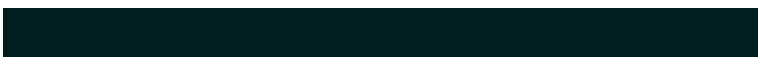
19.0460, 20.1324, 50.4588



9.7947, 10.7816, 12.2370



17.9812, 26.0741, 36.4780



0.7087, 1.0301, 1.4303

Previews

White Background



This preview shows how the XYZ color 23.8803, 15.3529, 7.0150 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 23.8803, 15.3529, 7.0150 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 23.8803, 15.3529, 7.0150

Background



This preview shows how black text looks on a background with the XYZ color 23.8803, 15.3529, 7.0150.



This preview shows how white text looks on a background with the XYZ color 23.8803, 15.3529,

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

23.8803, 15.3529, 7.0150

Protanopia

14.6085, 15.6279, 10.4302

Deuteranopia

15.7254, 15.5084, 6.5795



Tritanopia

23.9759, 15.2935, 7.8192

Trichromacy



Original Color

23.8803, 15.3529, 7.0150

Protanomaly

16.7595, 14.5599, 8.9482

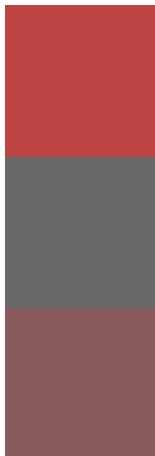
Deuteranomaly

18.0508, 14.8832, 6.6240

Tritanomaly

23.9117, 15.2678, 7.4810

Monochromacy



Original Color

23.8803, 15.3529, 7.0150

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.6211, 13.3884, 11.6584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8803, 15.3529, 7.0150 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, 69, 67)` looks like.

```
.text, #text, p{  
    color:rgb(188, 69, 67)  
}
```

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, 69, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 69, 67) }
```

Border

The CSS property to change the border of an element to XYZ 23.8803, 15.3529, 7.0150 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, 69, 67) }
```


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

```
.border{ border-color:rgb(188, 69, 67) }
```

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

Here you see how a box with a 4 pixel rgb(188, 69, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 69, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 69, 67);  
box-shadow:4px 4px 4px 4px rgb(188, 69,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8803, 15.3529, 7.0150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 69, 67) }
```

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

```
.background{ background-color: rgb(188, 69,  
67) }
```

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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