

Converting Colors

XYZ(23.7446, 15.6362, 10.4527)

Have a look what the booklet for
XYZ(23.7446, 15.6362, 10.4527)
contains.

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Color

**XYZ(23.8556, 15.7438,
10.3759)**

Conversions

Conversions Part 1

Format	Color
Hex	B84A55
RGB	184, 74, 85
RGB Percent	72%, 29%, 33%
CMY	0.2784, 0.7098, 0.6667
CMYK	0.00, 0.60, 0.54, 0.28
HSL	354°, 44%, 51%
HSV	354°, 60%, 72%
XYZ	23.8556, 15.7438, 10.3759
YIQ	108.1440, 62.0290, 26.7410

Conversions

Conversions Part 2

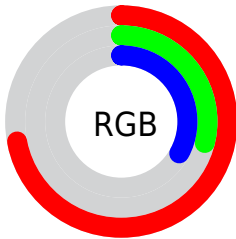
Format	Color
RYB	184, 74, 85
Decimal	12077653
CIELab	46.64, 45.41, 16.64
CIElCh	47, 48.363, 20.127
Yxy	15.7438, 0.4773, 0.3150
Android (android.graphics.Color)	4290267733 (0xFFB84A55)
YUV	108.1440, -11.4100, 66.5257
Hunter-Lab	39.6785, 37.8810, 12.2706

Details

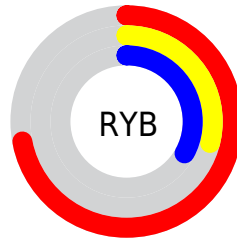
The XYZ color **23.8556, 15.7438, 10.3759** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **27.5083, 38.7542, 45.5685**, and the grayscale version is **14.3138, 15.0592, 16.3995**.

A 20% lighter version of the original color is **49.2007, 36.1331, 26.9355**, and **9.1876, 4.9897, 2.4864** is the 20% darker color. If you saturate the color by 10%, you get **22.2191, 13.4034, 6.9555**, and if you desaturate by 10%, it is **26.0061, 18.8659, 14.7275**.

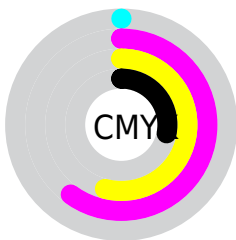
Distribution



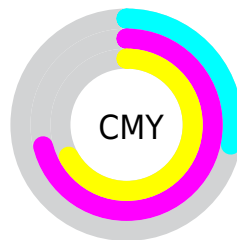
- Red (72%)
- Green (29%)
- Blue (33%)



- Red (72%)
- Yellow (29%)
- Blue (33%)



- Cyan (0%)
- Magenta (60%)
- Yellow (54%)
- Black (28%)




- Cyan (28%)
- Magenta (71%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8556, 15.7438, 10.3759 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 23.8556, 15.7438, 10.3759 by changing the saturation by 10% instead.


 23.8556, 15.7438,
10.3759


 23.8556, 15.7438,
10.3759


264.5437,
227.8252, 203.9156


 15.3507, 9.3430,
5.5400


 49.2508, 36.1529,
27.1190


 9.1538, 4.9656,
2.5033


 66.8719, 50.9299,
39.8632


 4.8995, 2.2271,
0.8419

 88.2624, 69.2679,
56.0808

 2.2226, 0.7347,
0.0000

 113.7877, 91.5512,
76.1900

 0.7546, 0.0000,
0.0000

 143.8131,
118.1642, 100.6096

 0.0000, 0.0000,
0.0000

178.7040,

149.4912, 129.7580

218.8257,
185.9168, 164.0539

■ 23.8556, 15.7438,
10.3759

■ 23.8556, 15.7438,
10.3759

■ 22.2191, 13.4034,
6.9555

■ 26.0061, 18.8659,
14.7275

■ 21.0522, 11.7732,
4.3974

■ 28.7077, 22.8280,
20.0709

■ 20.3048, 10.7728,
2.6242

■ 31.9955, 27.6857,
26.4625

■ 19.8869, 10.2453,
1.5347

■ 35.9011, 33.4892,
33.9541

■ 19.8794, 10.2352,
1.5170

■ 40.4542, 40.2850,
42.5943

■ 45.6823, 48.1165,
52.4285

■ 51.6113, 57.0245,
63.4998

■ 58.2660, 67.0475,
75.8492

■ 65.6696, 78.2223,
89.5157

Harmonies

Analogous

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



24.3669, 15.7438, 21.4021



23.8556, 15.7438, 10.3759



20.7340, 15.7438, 4.8460

Triad

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



23.8556, 15.7438, 10.3759



9.6019, 15.7438, 6.2110



13.6271, 15.7438, 51.3144

Complementary

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



23.8556, 15.7438, 10.3759



27.5083, 38.7542, 45.5685

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.



10.3781, 15.7438, 41.5883



23.8556, 15.7438, 10.3759



8.3574, 15.7438, 13.4890

Square

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



23.8556, 15.7438, 10.3759



12.3639, 15.7438, 3.3364



8.6123, 15.7438, 26.3512



17.9052, 15.7438, 49.1331

Rectangle

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



23.8556, 15.7438, 10.3759



17.8674, 15.7438, 3.3246



8.6123, 15.7438, 26.3512



12.3935, 15.7438, 49.2038

Sweetspot

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



23.8560, 15.7447, 10.3762



66.2254, 62.4138, 63.7326



28.3345, 17.2434, 47.1820



13.7986, 12.7428, 12.8273



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.8560, 15.7447, 10.3762



39.4621, 23.1468, 10.8507



27.4822, 23.6426, 9.5948



9.0401, 9.0264, 9.5587



13.7136, 7.0592, 1.1124



0.4956, 0.2537, 0.1034

Inverse Universe

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



23.8560, 15.7447, 10.3762



39.4621, 23.1468, 10.8507



20.8547, 23.6737, 48.8174



9.0401, 9.0264, 9.5587



13.7136, 7.0592, 1.1124



0.4956, 0.2537, 0.1034

Previews

White Background



This preview shows how the XYZ color 23.8556, 15.7438, 10.3759 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 23.8556, 15.7438, 10.3759 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 23.8556, 15.7438, 10.3759

Background



This preview shows how black text looks on a background with the XYZ color 23.8556, 15.7438, 10.3759.

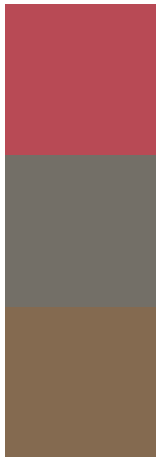


This preview shows how white text looks on a background with the XYZ color 23.8556, 15.7438,

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

23.8556, 15.7438, 10.3759

Protanopia

15.2029, 15.9930, 15.1176

Deuteranopia

16.1177, 15.7928, 9.7882



Tritanopia

23.7312, 15.8017, 9.3887

Trichromacy



Original Color

23.8556, 15.7438, 10.3759

Protanomaly

17.2942, 15.1553, 13.0801

Deuteranomaly

18.2882, 15.1939, 9.9515

Tritanomaly

23.8062, 15.8317, 9.7837

Monochromacy



Original Color

23.8556, 15.7438, 10.3759

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.6365, 14.5201, 13.9824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8556, 15.7438, 10.3759 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(184, 74, 85)` looks like.

```
.text, #text, p{  
    color:rgb(184, 74, 85)  
}
```

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(184, 74, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 74, 85) }
```

Border

The CSS property to change the border of an element to XYZ 23.8556, 15.7438, 10.3759 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(184, 74, 85) }
```


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

```
.border{ border-color:rgb(184, 74, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 74, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 74, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 74, 85);  
box-shadow:4px 4px 4px 4px rgb(184, 74,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8556, 15.7438, 10.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 74, 85) }
```

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

```
.background{ background-color: rgb(184, 74,  
85) }
```

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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