

Converting Colors

XYZ(23.7785, 15.6370, 13.7508)

Have a look what the booklet for
XYZ(23.7785, 15.6370, 13.7508)
contains.

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Color

**XYZ(23.8051, 15.6414,
13.8210)**

Conversions

Conversions Part 1

Format	Color
Hex	B54A64
RGB	181, 74, 100
RGB Percent	71%, 29%, 39%
CMY	0.2902, 0.7098, 0.6078
CMYK	0.00, 0.59, 0.45, 0.29
HSL	345°, 42%, 50%
HSV	345°, 59%, 71%
XYZ	23.8051, 15.6414, 13.8210
YIQ	108.9570, 55.4260, 30.7700

Conversions

Conversions Part 2

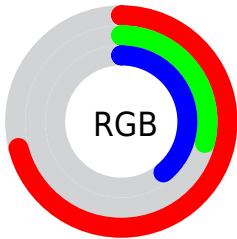
Format	Color
R_{YB}	181, 74, 100
Decimal	11881060
CIE _{Lab}	46.50, 45.77, 7.25
CIE _{LCh}	47, 46.343, 8.996
Yxy	15.6414, 0.4469, 0.2936
Android (android.graphics.Color)	4290071140 (0xFFB54A64)
YUV	108.9570, -4.4158, 63.1817
Hunter-Lab	39.5492, 38.2300, 6.9648

Details

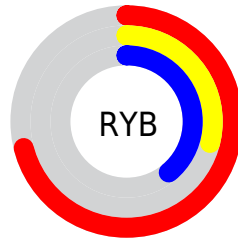
The XYZ color **23.8051, 15.6414, 13.8210** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.2652, 36.8706, 36.7979**, and the grayscale version is **14.5253, 15.2818, 16.6418**.

A 20% lighter version of the original color is **49.1105, 35.9384, 33.6266**, and **9.1785, 4.9523, 3.9622** is the 20% darker color. If you saturate the color by 10%, you get **22.1574, 13.3197, 10.2703**, and if you desaturate by 10%, it is **25.9128, 18.7046, 18.0757**.

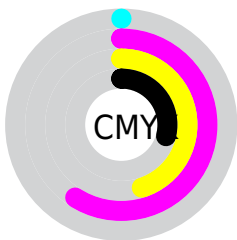
Distribution



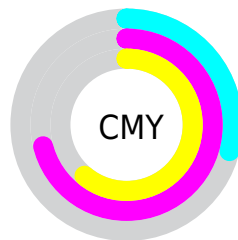
- Red (71%)
- Green (29%)
- Blue (39%)



- Red (71%)
- Yellow (29%)
- Blue (39%)



- Cyan (0%)
- Magenta (59%)
- Yellow (45%)
- Black (29%)





- Cyan (29%)
- Magenta (71%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8051, 15.6414, 13.8210 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 23.8051, 15.6414, 13.8210 by changing the saturation by 10% instead.


 23.8051, 15.6414,
13.8210

 23.8051, 15.6414,
13.8210


264.2924,
227.2163, 227.5040


 15.3131, 9.2708,
7.8589


 49.1690, 35.9745,
33.4836

 9.1271, 4.9182,
3.9183


 66.7715, 50.7058,
48.0213


 4.8820, 2.1994,
1.5807

 88.1416, 68.9927,
66.2545

 2.2122, 0.7196,
0.2770

 113.6445, 91.2198,
88.6020

 0.7492, 0.0000,
0.0000

 143.6457,
117.7712, 115.4821

 0.0000, 0.0000,
0.0000

178.5106,

149.0315, 147.3134

218.6043,
185.3851, 184.5145

■ 23.8051, 15.6414,
13.8210

■ 23.8051, 15.6414,
13.8210

■ 22.1574, 13.3197,
10.2703

■ 25.9128, 18.7046,
18.0757

■ 20.9322, 11.6733,
7.3831

■ 28.5115, 22.5630,
23.0699

■ 20.0877, 10.6284,
5.1159

■ 31.6310, 27.2684,
28.8377

■ 19.5508, 10.0496,
3.4112

■ 35.2982, 32.8671,
35.4107

■ 19.5102, 10.0054,
3.2833

■ 39.5381, 39.4025,
42.8186

■ 44.3742, 46.9148,
51.0897

■ 49.8288, 55.4419,
60.2510

■ 55.9227, 65.0199,
70.3281

■ 62.6760, 75.6829,
81.3459

Harmonies

Analogous

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



23.2410, 15.6414, 26.1832



23.8051, 15.6414, 13.8210



21.6623, 15.6414, 6.6084

Triad

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



23.8051, 15.6414, 13.8210



10.5425, 15.6414, 5.0256



12.2827, 15.6414, 46.8815

Complementary

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



23.8051, 15.6414, 13.8210



25.2652, 36.8706, 36.7979

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.



9.6655, 15.6414, 34.9369



23.8051, 15.6414, 13.8210



8.7929, 15.6414, 10.3066

Square

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



23.8051, 15.6414, 13.8210



13.6990, 15.6414, 3.2416



8.5034, 15.6414, 20.7027



16.0989, 15.6414, 49.2574

Rectangle

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



23.8051, 15.6414, 13.8210



19.1792, 15.6414, 4.2866



8.5034, 15.6414, 20.7027



11.2545, 15.6414, 43.6599

Sweetspot

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



23.8055, 15.6422, 13.8213



63.7960, 59.7512, 64.4406



24.1640, 15.1293, 45.3627



13.3534, 12.2470, 13.1570



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.



23.8055, 15.6422, 13.8213



38.9318, 22.8259, 16.6816



24.9222, 19.5780, 8.9450



8.5782, 8.5380, 9.2773



13.4735, 6.9070, 2.3875



0.4473, 0.2267, 0.1981

Inverse Universe

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



23.8055, 15.6422, 13.8213



38.9318, 22.8259, 16.6816



22.7622, 27.9866, 47.9183



8.5782, 8.5380, 9.2773



13.4735, 6.9070, 2.3875



0.4473, 0.2267, 0.1981

Previews

White Background



This preview shows how the XYZ color 23.8051, 15.6414, 13.8210 looks on a white background.

Color Contrast Check

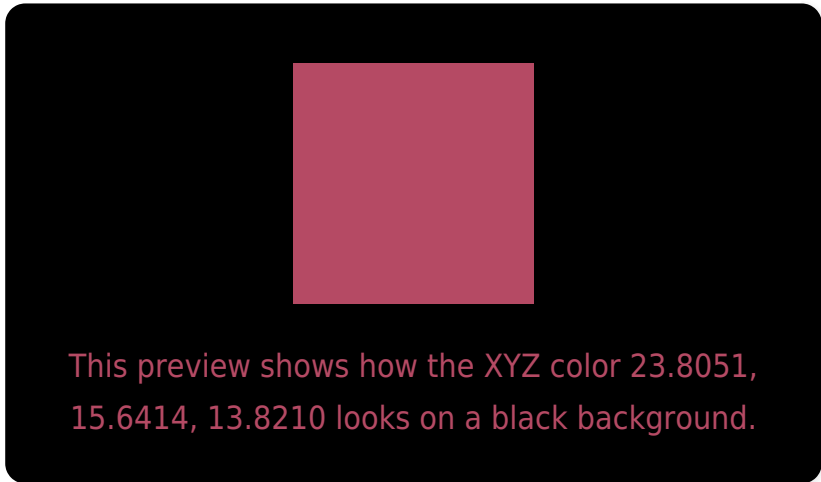
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

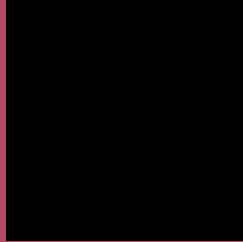
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8051, 15.6414, 13.8210

Background



This preview shows how black text looks on a background with the XYZ color 23.8051, 15.6414, 13.8210.



This preview shows how white text looks on a background with the XYZ color 23.8051, 15.6414,

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

23.8051, 15.6414, 13.8210

Protanopia

15.3965, 15.8229, 20.0119

Deuteranopia

16.0756, 15.8536, 13.0393



Tritanopia

22.9993, 15.6202, 9.7855

Trichromacy



Original Color

23.8051, 15.6414, 13.8210

Protanomaly

17.4087, 14.9759, 17.5959

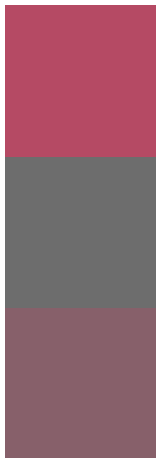
Deuteranomaly

18.2825, 15.2505, 13.2893

Tritanomaly

23.2100, 15.5934, 11.2377

Monochromacy



Original Color

23.8051, 15.6414, 13.8210

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.7761, 14.5572, 15.5613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8051, 15.6414, 13.8210 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, 74, 100)` looks like.

```
.text, #text, p{  
  color:rgb(181, 74, 100)  
}
```

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, 74, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 74, 100) }
```

Border

The CSS property to change the border of an element to XYZ 23.8051, 15.6414, 13.8210 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, 74, 100) }
```


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

```
.border{ border-color:rgb(181, 74, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 74, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 74, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 74, 100);  
box-shadow:4px 4px 4px 4px rgb(181, 74,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8051, 15.6414, 13.8210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 74, 100) }
```

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

```
.background{ background-color: rgb(181, 74,  
100) }
```

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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