

Converting Colors

XYZ(23.9346, 13.5536, 12.4489)

Have a look what the booklet for
XYZ(23.9346, 13.5536, 12.4489)
contains.

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Color

**XYZ(23.8274, 13.4899,
12.4143)**

Conversions

Conversions Part 1

Format	Color
Hex	BC2E60
RGB	188, 46, 96
RGB Percent	74%, 18%, 38%
CMY	0.2627, 0.8196, 0.6235
CMYK	0.00, 0.76, 0.49, 0.26
HSL	339°, 61%, 46%
HSV	339°, 76%, 74%
XYZ	23.8274, 13.4899, 12.4143
YIQ	94.1580, 68.5820, 45.6540

Conversions

Conversions Part 2

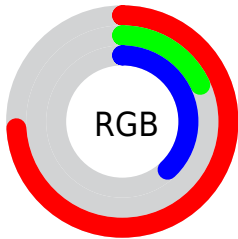
Format	Color
R_{YB}	188, 46, 96
Decimal	12332640
CIE _{Lab}	43.49, 58.84, 5.59
CIE _{LCh}	43, 59.103, 5.430
Yxy	13.4899, 0.4791, 0.2713
Android (android.graphics.Color)	4290522720 (0xFFBC2E60)
YUV	94.1580, 0.9081, 82.2994
Hunter-Lab	36.7286, 51.5255, 5.6699

Details

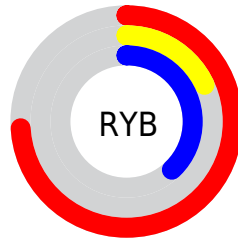
The XYZ color **23.8274, 13.4899, 12.4143** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **23.6985, 38.3828, 30.2080**, and the grayscale version is **10.6642, 11.2196, 12.2181**.

A 20% lighter version of the original color is **49.2055, 32.1157, 30.7997**, and **9.6290, 4.8974, 3.4554** is the 20% darker color. If you saturate the color by 10%, you get **22.7290, 12.1222, 9.4923**, and if you desaturate by 10%, it is **25.3349, 15.5368, 15.9016**.

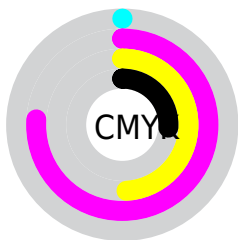
Distribution



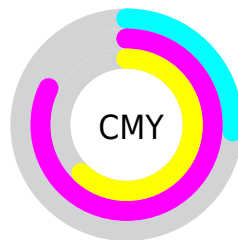
- Red (74%)
- Green (18%)
- Blue (38%)



- Red (74%)
- Yellow (18%)
- Blue (38%)



- Cyan (0%)
- Magenta (76%)
- Yellow (49%)
- Black (26%)





- Cyan (26%)
- Magenta (82%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8274, 13.4899, 12.4143 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 23.8274, 13.4899, 12.4143 by changing the saturation by 10% instead.


 23.8274, 13.4899,
12.4143


 23.8274, 13.4899,
12.4143


264.4034,
214.0340, 218.2035


 15.3297, 7.7668,
6.9005


 49.2051, 32.1811,
30.9231

 9.1389, 3.9461,
3.3225


 66.8158, 45.9180,
44.7551


 4.8897, 1.6434,
1.2616

 88.1949, 63.0950,
62.1971

 2.2168, 0.3866,
0.0300

 113.7077, 84.0963,
83.6674

 0.7516, 0.0000,
0.0000

 143.7196,
109.3065, 109.5847

 0.0000, 0.0000,
0.0000

 178.5960,

139.1099, 140.3674

218.7021,
173.8909, 176.4342

■ 23.8274, 13.4899,
12.4143

■ 23.8274, 13.4899,
12.4143

■ 22.7290, 12.1222,
9.4923

■ 25.3349, 15.5368,
15.9016

■ 21.9882, 11.3371,
7.0986

■ 27.2914, 18.3365,
19.9858

■ 21.7280, 11.0869,
6.1783

■ 29.7330, 21.9558,
24.6961

■ 32.6916, 26.4530,
30.0598

■ 36.1963, 31.8815,
36.1021

■ 40.2741, 38.2902,
42.8470

■ 44.9499, 45.7244,
50.3169

■ 50.2474, 54.2268,
58.5336

■ 56.1887, 63.8375,
67.5176

Harmonies

Analogous

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



22.6926, 13.4899, 27.9772



23.8274, 13.4899, 12.4143



21.4872, 13.4899, 4.3385

Triad

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



23.8274, 13.4899, 12.4143



8.3385, 13.4899, 2.1929



9.4774, 13.4899, 51.9934

Complementary

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



23.8274, 13.4899, 12.4143



23.6985, 38.3828, 30.2080

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.



6.8696, 13.4899, 34.8708



23.8274, 13.4899, 12.4143



6.3310, 13.4899, 6.4582

Square

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



23.8274, 13.4899, 12.4143



12.0010, 13.4899, 1.1386



5.8662, 13.4899, 17.2241



13.6791, 13.4899, 57.2356

Rectangle

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



23.8274, 13.4899, 12.4143



18.5387, 13.4899, 2.1320



5.8662, 13.4899, 17.2241



8.4205, 13.4899, 47.0837

Sweetspot

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



23.8278, 13.4907, 12.4145



67.1003, 60.1250, 67.9492



20.1976, 10.8146, 48.5998



13.8927, 12.0912, 13.7075



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.



23.8278, 13.4907, 12.4145



40.1966, 20.8806, 14.0859



23.1193, 14.6626, 4.1974



9.6652, 9.5904, 10.6257



14.8258, 7.5615, 4.3763



0.6122, 0.3088, 0.3371

Inverse Universe

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



23.8278, 13.4907, 12.4145



40.1966, 20.8806, 14.0859



24.4049, 32.6131, 52.5856



9.6652, 9.5904, 10.6257



14.8258, 7.5615, 4.3763



0.6122, 0.3088, 0.3371

Previews

White Background



This preview shows how the XYZ color 23.8274, 13.4899, 12.4143 looks on a white background.

Color Contrast Check

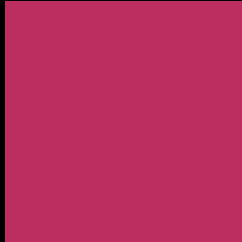
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8274, 13.4899, 12.4143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

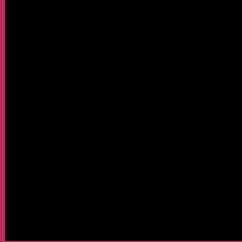
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8274, 13.4899, 12.4143

Background



This preview shows how black text looks on a background with the XYZ color 23.8274, 13.4899, 12.4143.



This preview shows how white text looks on a background with the XYZ color 23.8274, 13.4899,

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

23.8274, 13.4899, 12.4143

Protanopia

13.7835, 13.8557, 22.3700

Deuteranopia

13.9681, 13.7576, 11.3705



Tritanopia

22.3796, 13.4770, 5.4248

Trichromacy



Original Color

23.8274, 13.4899, 12.4143

Protanomaly

15.5298, 12.1208, 18.0440

Deuteranomaly

16.3020, 12.4393, 11.6670

Tritanomaly

22.8912, 13.4887, 7.5280

Monochromacy



Original Color

23.8274, 13.4899, 12.4143

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.6215, 10.7232, 12.1783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8274, 13.4899, 12.4143 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, 46, 96)` looks like.

```
.text, #text, p{  
    color:rgb(188, 46, 96)  
}
```

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, 46, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 46, 96) }
```

Border

The CSS property to change the border of an element to XYZ 23.8274, 13.4899, 12.4143 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, 46, 96) }
```


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

```
.border{ border-color:rgb(188, 46, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 46, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 46, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 46, 96);  
box-shadow:4px 4px 4px 4px rgb(188, 46,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8274, 13.4899, 12.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 46, 96) }
```

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

```
.background{ background-color: rgb(188, 46,  
96) }
```

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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