

Converting Colors

XYZ(24.3931, 14.4858, 12.1809)

Have a look what the booklet for
XYZ(24.3931, 14.4858, 12.1809)
contains.

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Color

**XYZ(24.4698, 14.5532,
12.1090)**

Conversions

Conversions Part 1

Format	Color
Hex	BD395E
RGB	189, 57, 94
RGB Percent	74%, 22%, 37%
CMY	0.2588, 0.7764, 0.6314
CMYK	0.00, 0.70, 0.50, 0.26
HSL	343°, 54%, 48%
HSV	343°, 70%, 74%
XYZ	24.4698, 14.5532, 12.1090
YIQ	100.6860, 66.7950, 39.4910

Conversions

Conversions Part 2

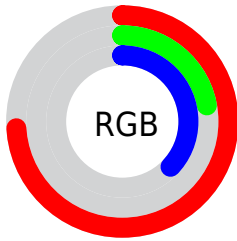
Format	Color
R_{YB}	189, 57, 94
Decimal	12400990
CIE Lab	45.02, 55.08, 9.02
CIE LCh	45, 55.812, 9.302
Yxy	14.5532, 0.4786, 0.2846
Android (android.graphics.Color)	4290591070 (0xFFBD395E)
YUV	100.6860, -3.2962, 77.4514
Hunter-Lab	38.1487, 47.7356, 7.8845

Details

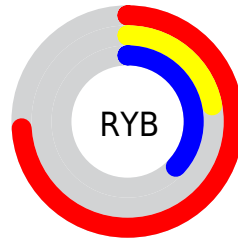
The XYZ color **24.4698, 14.5532, 12.1090** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **25.5535, 39.5325, 35.9928**, and the grayscale version is **12.2857, 12.9255, 14.0759**.

A 20% lighter version of the original color is **50.3635, 34.1479, 30.3223**, and **9.7394, 4.9592, 3.2402** is the 20% darker color. If you saturate the color by 10%, you get **23.1455, 12.7970, 8.9168**, and if you desaturate by 10%, it is **26.2501, 17.0493, 15.9843**.

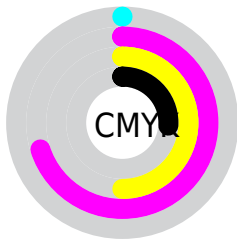
Distribution



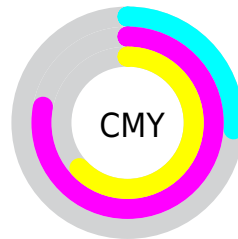
- Red (74%)
- Green (22%)
- Blue (37%)



- Red (74%)
- Yellow (22%)
- Blue (37%)



- Cyan (0%)
- Magenta (70%)
- Yellow (50%)
- Black (26%)



- Cyan (26%)
- Magenta (78%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4698, 14.5532, 12.1090 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 24.4698, 14.5532, 12.1090 by changing the saturation by 10% instead.

■ 24.4698, 14.5532,
12.1090

■ 24.4698, 14.5532,
12.1090

267.5837,
220.6457, 216.1290

■ 15.8091, 8.5064,
6.6945

■ 50.2449, 34.0674,
30.3608

■ 9.4792, 4.4207,
3.1963

■ 68.0900, 48.3037,
44.0353

■ 5.1146, 1.9116,
1.1957

■ 89.7273, 66.0385,
61.3001

■ 2.3501, 0.5553,
0.0000

■ 115.5221, 87.6564,
82.5738

■ 0.8201, 0.0000,
0.0000

■ 145.8398,
113.5416, 108.2751

■ 0.0000, 0.0000,
0.0000

181.0457,

144.0786, 138.8223

221.5052,
179.6519, 174.6341

■ 24.4698, 14.5532,
12.1090

■ 24.4698, 14.5532,
12.1090

■ 23.1455, 12.7970,
8.9168

■ 26.2501, 17.0493,
15.9843

■ 22.2296, 11.6944,
6.3635

■ 28.5251, 20.3542,
20.5809

■ 21.6366, 11.0843,
4.3904

■ 31.3305, 24.5316,
25.9352

■ 21.6282, 11.0756,
4.3624

■ 34.6982, 29.6379,
32.0804

■ 38.6578, 35.7251,
39.0478

■ 43.2364, 42.8410,
46.8671

■ 48.4596, 51.0304,
55.5661

■ 54.3515, 60.3355,
65.1717

■ 60.9349, 70.7961,
75.7095

Harmonies

Analogous

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



23.8138, 14.5532, 26.5359



24.4698, 14.5532, 12.1090



21.8271, 14.5532, 4.6381

Triad

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



24.4698, 14.5532, 12.1090



8.9706, 14.5532, 3.2456



10.9475, 14.5532, 53.0841

Complementary

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



24.4698, 14.5532, 12.1090



25.5535, 39.5325, 35.9928

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.



8.0757, 14.5532, 37.7902



24.4698, 14.5532, 12.1090



7.1217, 14.5532, 8.4990

Square

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



24.4698, 14.5532, 12.1090



12.4572, 14.5532, 1.7138



6.8349, 14.5532, 20.2821



15.3052, 14.5532, 56.0393

Rectangle

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



24.4698, 14.5532, 12.1090



18.8327, 14.5532, 2.5484



6.8349, 14.5532, 20.2821



9.8062, 14.5532, 48.9295

Sweetspot

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



24.4702, 14.5540, 12.1092



68.1037, 62.2342, 67.9683



23.5234, 13.2382, 49.4595



14.2111, 12.7139, 13.8573



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.



24.4702, 14.5540, 12.1092



40.4658, 21.6979, 13.3155



25.0214, 17.7072, 5.9710



9.6371, 9.5792, 10.4781



14.5807, 7.4634, 3.0856



0.6001, 0.3039, 0.2733

Inverse Universe

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



24.4702, 14.5540, 12.1092



40.4658, 21.6979, 13.3155



23.5137, 29.8253, 52.6617



9.6371, 9.5792, 10.4781



14.5807, 7.4634, 3.0856



0.6001, 0.3039, 0.2733

Previews

White Background



This preview shows how the XYZ color 24.4698, 14.5532, 12.1090 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 24.4698, 14.5532, 12.1090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

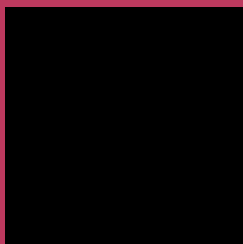
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4698, 14.5532, 12.1090

Background



This preview shows how black text looks on a background with the XYZ color 24.4698, 14.5532, 12.1090.



This preview shows how white text looks on a background with the XYZ color 24.4698, 14.5532,

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

24.4698, 14.5532, 12.1090

Protanopia

14.5346, 14.8991, 20.1989

Deuteranopia

14.9239, 14.6902, 11.2814



Tritanopia

23.2544, 14.5132, 6.7299

Trichromacy



Original Color

24.4698, 14.5532, 12.1090

Protanomaly

16.5950, 13.5267, 16.7752

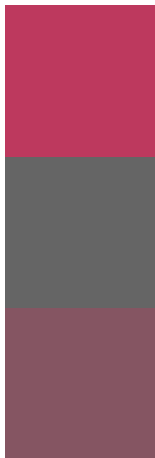
Deuteranomaly

17.3860, 13.6897, 11.3989

Tritanomaly

23.7123, 14.5507, 8.3963

Monochromacy



Original Color

24.4698, 14.5532, 12.1090

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.1260, 12.3654, 13.1448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4698, 14.5532, 12.1090 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(189, 57, 94)` looks like.

```
.text, #text, p{  
    color:rgb(189, 57, 94)  
}
```

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(189, 57, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 57, 94) }
```

Border

The CSS property to change the border of an element to XYZ 24.4698, 14.5532, 12.1090 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(189, 57, 94) }
```


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

```
.border{ border-color:rgb(189, 57, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 57, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 57, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 57, 94);  
box-shadow:4px 4px 4px 4px rgb(189, 57,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4698, 14.5532, 12.1090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 57, 94) }
```

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

```
.background{ background-color: rgb(189, 57,  
94) }
```

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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