

Converting Colors

XYZ(24.2384, 14.3514, 12.8168)

Have a look what the booklet for
XYZ(24.2384, 14.3514, 12.8168)
contains.

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Color

**XYZ(24.3109, 14.3828,
12.8041)**

Conversions

Conversions Part 1

Format	Color
Hex	BC3861
RGB	188, 56, 97
RGB Percent	74%, 22%, 38%
CMY	0.2627, 0.7804, 0.6196
CMYK	0.00, 0.70, 0.48, 0.26
HSL	341°, 54%, 48%
HSV	341°, 70%, 74%
XYZ	24.3109, 14.3828, 12.8041
YIQ	100.1420, 65.5110, 40.7350

Conversions

Conversions Part 2

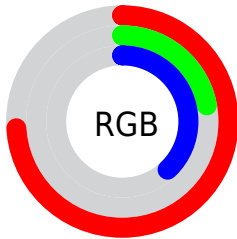
Format	Color
R_{YB}	188, 56, 97
Decimal	12335201
CIE Lab	44.78, 55.42, 6.80
CIE LCh	45, 55.835, 6.998
Yxy	14.3828, 0.4721, 0.2793
Android (android.graphics.Color)	4290525281 (0xFFBC3861)
YUV	100.1420, -1.5490, 77.0515
Hunter-Lab	37.9247, 48.0559, 6.5298

Details

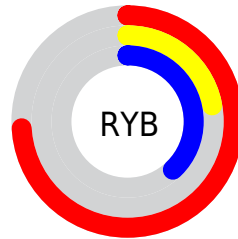
The XYZ color **24.3109, 14.3828, 12.8041** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **24.8816, 38.9142, 33.8069**, and the grayscale version is **12.1423, 12.7747, 13.9116**.

A 20% lighter version of the original color is **50.1276, 33.8347, 31.4925**, and **9.6508, 4.9061, 3.5703** is the 20% darker color. If you saturate the color by 10%, you get **23.0088, 12.6682, 9.6280**, and if you desaturate by 10%, it is **26.0545, 16.8225, 16.6148**.

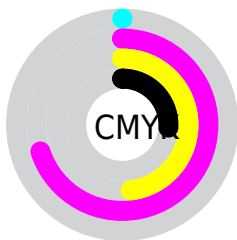
Distribution



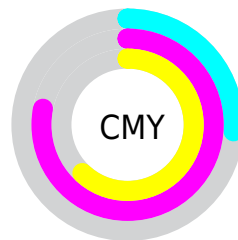
- Red (74%)
- Green (22%)
- Blue (38%)



- Red (74%)
- Yellow (22%)
- Blue (38%)



- Cyan (0%)
- Magenta (70%)
- Yellow (48%)
- Black (26%)





- Cyan (26%)
- Magenta (78%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3109, 14.3828, 12.8041 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 24.3109, 14.3828, 12.8041 by changing the saturation by 10% instead.


 24.3109, 14.3828,
12.8041


 24.3109, 14.3828,
12.8041


266.7999,
219.5994, 220.8219


 15.6904, 8.3874,
7.1646


 49.9881, 33.7667,
31.6374


 9.3948, 4.3438,
3.4853


 67.7754, 47.9240,
45.6683


 5.0587, 1.8677,
1.3474

 89.3491, 65.5707,
63.3335

 2.3169, 0.5288,
0.1002

 115.0745, 87.0913,
85.0515

 0.8033, 0.0000,
0.0000

 145.3169,
112.8700, 111.2407

 0.0000, 0.0000,
0.0000

180.4417,

143.2913, 142.3199

220.8143,
178.7397, 178.7074

■ 24.3109, 14.3828,
12.8041

■ 24.3109, 14.3828,
12.8041

■ 23.0088, 12.6682,
9.6280

■ 26.0545, 16.8225,
16.6148

■ 22.1018, 11.5933,
7.0471

■ 28.2773, 20.0555,
21.0944

■ 21.5126, 11.0008,
5.0442

■ 31.0141, 24.1444,
26.2753

■ 34.2959, 29.1450,
32.1873

■ 38.1512, 35.1086,
38.8585

■ 42.6065, 42.0821,
46.3155

■ 47.6867, 50.1099,
54.5833

■ 53.4151, 59.2334,
63.6861

■ 59.8139, 69.4919,
73.6468

Harmonies

Analogous

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



23.3981, 14.3828, 27.6204



24.3109, 14.3828, 12.8041



21.9071, 14.3828, 4.9099

Triad

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



24.3109, 14.3828, 12.8041



9.0561, 14.3828, 2.9687



10.5314, 14.3828, 51.8529

Complementary

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



24.3109, 14.3828, 12.8041



24.8816, 38.9142, 33.8069

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.



7.8104, 14.3828, 36.0721



24.3109, 14.3828, 12.8041



7.0998, 14.3828, 7.7738

Square

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



24.3109, 14.3828, 12.8041



12.6328, 14.3828, 1.6377



6.7006, 14.3828, 18.9128



14.7633, 14.3828, 55.9641

Rectangle

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



24.3109, 14.3828, 12.8041



19.0053, 14.3828, 2.6503



6.7006, 14.3828, 18.9128



9.4409, 14.3828, 47.4336

Sweetspot

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



24.3113, 14.3836, 12.8043



68.2961, 62.3112, 68.9816



22.3818, 12.5896, 48.8272



14.2565, 12.7321, 14.0961



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.



24.3113, 14.3836, 12.8043



40.7672, 21.8185, 14.9026



24.3369, 16.7446, 5.6918



9.6489, 9.5839, 10.5402



14.6767, 7.5018, 3.5913



0.6052, 0.3060, 0.3001

Inverse Universe

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



24.3113, 14.3836, 12.8043



40.7672, 21.8185, 14.9026



23.9484, 30.9517, 52.2889



9.6489, 9.5839, 10.5402



14.6767, 7.5018, 3.5913



0.6052, 0.3060, 0.3001

Previews

White Background



This preview shows how the XYZ color 24.3109, 14.3828, 12.8041 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 24.3109, 14.3828, 12.8041 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 24.3109, 14.3828, 12.8041

Background



This preview shows how black text looks on a background with the XYZ color 24.3109, 14.3828, 12.8041.

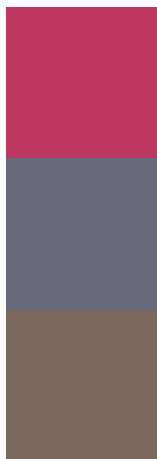


This preview shows how white text looks on a background with the XYZ color 24.3109, 14.3828,

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

24.3109, 14.3828, 12.8041

Protanopia

14.4492, 14.6723, 21.4725

Deuteranopia

14.9070, 14.6668, 11.9428



Tritanopia

23.0106, 14.3875, 6.7185

Trichromacy



Original Color

24.3109, 14.3828, 12.8041

Protanomaly

16.4158, 13.2856, 17.9188

Deuteranomaly

17.3362, 13.6489, 12.0767

Tritanomaly

23.4489, 14.3323, 8.5517

Monochromacy



Original Color

24.3109, 14.3828, 12.8041

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.9382, 12.1470, 13.3617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3109, 14.3828, 12.8041 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, 56, 97)` looks like.

```
.text, #text, p{  
    color:rgb(188, 56, 97)  
}
```

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, 56, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 56, 97) }
```

Border

The CSS property to change the border of an element to XYZ 24.3109, 14.3828, 12.8041 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, 56, 97) }
```


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

```
.border{ border-color:rgb(188, 56, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 56, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 56, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 56, 97);  
box-shadow:4px 4px 4px 4px rgb(188, 56,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3109, 14.3828, 12.8041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 56, 97) }
```

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

```
.background{ background-color: rgb(188, 56,  
97) }
```

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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