

Converting Colors

XYZ(24.0089, 12.4467, 5.6029)

Have a look what the booklet for
XYZ(24.0089, 12.4467, 5.6029)
contains.

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Color

**XYZ(23.9768, 12.4243,
5.5493)**

Conversions

Conversions Part 1

Format	Color
Hex	C50A3D
RGB	197, 10, 61
RGB Percent	77%, 4%, 24%
CMY	0.2275, 0.9606, 0.7608
CMYK	0.00, 0.95, 0.69, 0.23
HSL	344°, 90%, 41%
HSV	344°, 95%, 77%
XYZ	23.9768, 12.4243, 5.5493
YIQ	71.7270, 95.0810, 55.5050

Conversions

Conversions Part 2

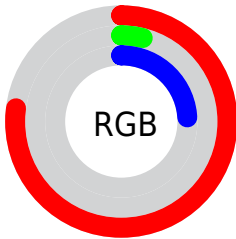
Format	Color
R _{YB}	197, 10, 61
Decimal	12913213
CIE Lab	41.88, 66.43, 25.65
CIE LCh	42, 71.212, 21.108
Yxy	12.4243, 0.5716, 0.2962
Android (android.graphics.Color)	4291103293 (0xFFC50A3D)
YUV	71.7270, -5.2884, 109.8644
Hunter-Lab	35.2481, 59.7367, 15.3393

Details

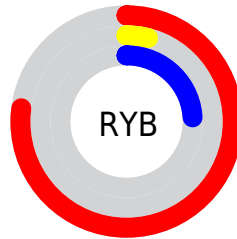
The XYZ color **23.9768, 12.4243, 5.5493** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **25.2830, 42.0735, 33.9977**, and the grayscale version is **6.1136, 6.4320, 7.0045**.

A 20% lighter version of the original color is **47.3550, 29.1591, 17.3197**, and **10.1179, 5.2014, 1.1325** is the 20% darker color. If you saturate the color by 10%, you get **23.6846, 12.1338, 4.5468**, and if you desaturate by 10%, it is **24.7648, 13.2981, 7.9776**.

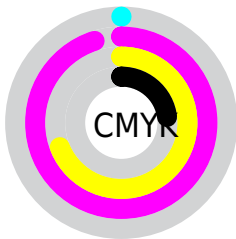
Distribution



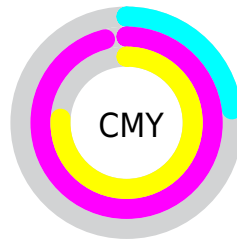
- Red (77%)
- Green (4%)
- Blue (24%)



- Red (77%)
- Yellow (4%)
- Blue (24%)



- Cyan (0%)
- Magenta (95%)
- Yellow (69%)
- Black (23%)





- Cyan (23%)
- Magenta (96%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9768, 12.4243, 5.5493 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 23.9768, 12.4243, 5.5493 by changing the saturation by 10% instead.


 23.9768, 12.4243,
5.5493


 23.9768, 12.4243,
5.5493


265.1458,
207.1944, 164.1424


 15.4411, 7.0333,
2.5087


 49.4473, 30.2656,
17.4492


 9.2178, 3.4830,
0.8448


 67.1127, 43.4846,
27.1456


 4.9418, 1.3888,
0.0000

 88.5521, 60.0819,
39.8977

 2.2476, 0.2084,
0.0000

 114.1309, 80.4417,
56.1241

 0.7676, 0.0000,
0.0000

 144.2142,
104.9485, 76.2431

 0.0000, 0.0000,
0.0000

 179.1676,

133.9866, 100.6735

219.3563,
167.9404, 129.8338

■ 23.9768, 12.4243,
5.5493

■ 23.9768, 12.4243,
5.5493

■ 23.6846, 12.1338,
4.5468

■ 24.7648, 13.2981,
7.9776

■ 25.9736, 14.8361,
11.0920

■ 27.6606, 17.1427,
14.9452

■ 29.8738, 20.3037,
19.5841

■ 32.6548, 24.3929,
25.0512

■ 36.0410, 29.4766,
31.3859

■ 40.0664, 35.6146,
38.6247

■ 44.7626, 42.8622,
46.8023

■ 50.1589, 51.2707,
55.9512

Harmonies

Analogous

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



24.8810, 12.4243, 18.5158



23.9768, 12.4243, 5.5493



19.3631, 12.4243, 1.1890

Triad

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



23.9768, 12.4243, 5.5493



5.5576, 12.4243, 2.2753



10.3140, 12.4243, 67.0491

Complementary

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



23.9768, 12.4243, 5.5493



25.2830, 42.0735, 33.9977

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.



6.5301, 12.4243, 50.9036



23.9768, 12.4243, 5.5493



4.3711, 12.4243, 9.5274

Square

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



23.9768, 12.4243, 5.5493



8.5289, 12.4243, 0.4040



4.6646, 12.4243, 26.8667



15.8376, 12.4243, 62.5182

Rectangle

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



23.9768, 12.4243, 5.5493



15.3947, 12.4243, 0.3381



4.6646, 12.4243, 26.8667



8.8282, 12.4243, 63.5874

Sweetspot

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



23.9771, 12.4251, 5.5495



69.0844, 59.6898, 64.4190



21.6933, 10.1808, 53.6447



14.1188, 11.7584, 12.5837



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.9771, 12.4251, 5.5495



42.3300, 21.6960, 7.6701



24.2449, 14.2204, 1.7552



10.7507, 10.6837, 11.6703



15.6090, 7.9932, 3.1512



0.7704, 0.3910, 0.3143

Inverse Universe

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



23.9771, 12.4251, 5.5495



42.3300, 21.6960, 7.6701



22.1747, 28.0381, 57.0662



10.7507, 10.6837, 11.6703



15.6090, 7.9932, 3.1512



0.7704, 0.3910, 0.3143

Previews

White Background



This preview shows how the XYZ color 23.9768, 12.4243, 5.5493 looks on a white background.

Color Contrast Check

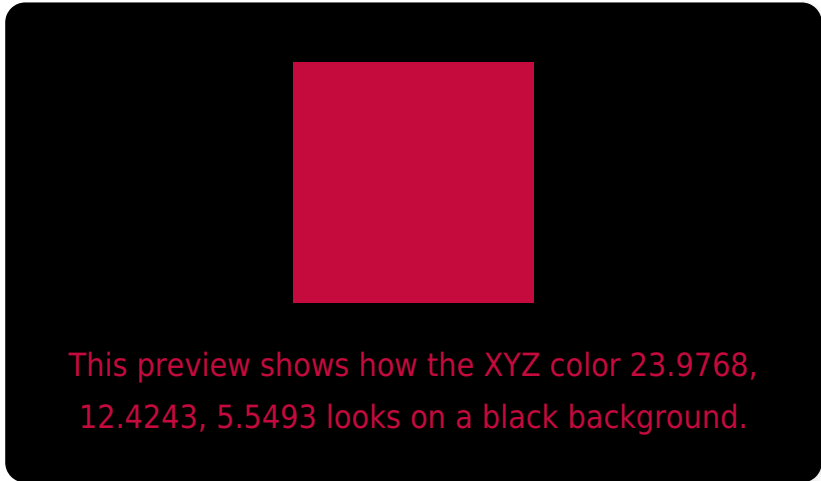
Large Text (above 18pt) WCAG AA ✓ Pass

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

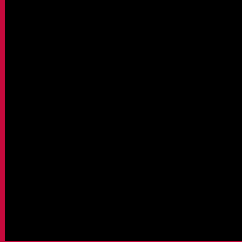
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9768, 12.4243, 5.5493

Background



This preview shows how black text looks on a background with the XYZ color 23.9768, 12.4243, 5.5493.



This preview shows how white text looks on a background with the XYZ color 23.9768, 12.4243,

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

23.9768, 12.4243, 5.5493

Protanopia

12.2283, 12.8558, 11.5098

Deuteranopia

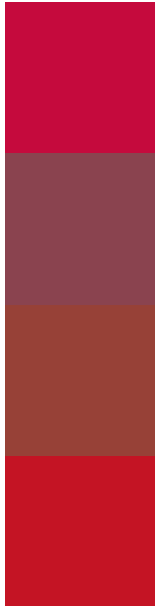
13.1149, 12.8988, 5.0473



Tritanopia

23.2792, 12.5325, 1.9511

Trichromacy



Original Color

23.9768, 12.4243, 5.5493

Protanomaly

13.8997, 9.9821, 8.5913

Deuteranomaly

15.3424, 10.6357, 4.8587

Tritanomaly

23.3335, 12.3634, 2.8256

Monochromacy



Original Color

23.9768, 12.4243, 5.5493

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

9.4778, 6.3959, 6.2038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9768, 12.4243, 5.5493 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(197, 10, 61)` looks like.

```
.text, #text, p{  
    color:rgb(197, 10, 61)  
}
```

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(197, 10, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 10, 61) }
```

Border

The CSS property to change the border of an element to XYZ 23.9768, 12.4243, 5.5493 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(197, 10, 61) }
```


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

```
.border{ border-color:rgb(197, 10, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 10, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 10, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 10, 61);  
box-shadow:4px 4px 4px 4px rgb(197, 10,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9768, 12.4243, 5.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 10, 61) }
```

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

```
.background{ background-color: rgb(197, 10,  
61) }
```

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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