

Converting Colors

XYZ(23.9737, 12.3073, 3.4551)

Have a look what the booklet for
XYZ(23.9737, 12.3073, 3.4551)
contains.

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Color

**XYZ(24.0078, 12.3240,
3.4963)**

Conversions

Conversions Part 1

Format	Color
Hex	C7002C
RGB	199, 0, 44
RGB Percent	78%, 0%, 17%
CMY	0.2196, 0.9998, 0.8274
CMYK	0.00, 1.00, 0.78, 0.22
HSL	347°, 100%, 39%
HSV	347°, 100%, 78%
XYZ	24.0078, 12.3240, 3.4963
YIQ	64.5170, 104.4800, 55.8720

Conversions

Conversions Part 2

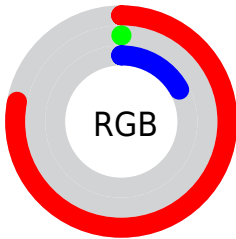
Format	Color
R_{YB}	199, 0, 44
Decimal	13041708
CIE _{Lab}	41.73, 67.24, 35.96
CIE _{LCh}	42, 76.254, 28.137
Yxy	12.3240, 0.6028, 0.3094
Android (android.graphics.Color)	4291231788 (0xFFC7002C)
YUV	64.5170, -10.1149, 117.9416
Hunter-Lab	35.1056, 60.6369, 18.6690

Details

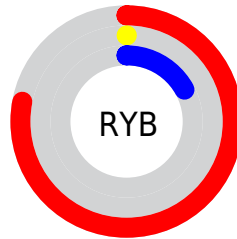
The XYZ color **24.0078, 12.3240, 3.4963** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.3437, 43.2147, 37.9815**, and the grayscale version is **4.9583, 5.2165, 5.6808**.

A 20% lighter version of the original color is **46.3340, 28.4952, 12.7309**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **24.0070, 12.3236, 3.4930**, and if you desaturate by 10%, it is **24.6047, 12.9613, 5.4115**.

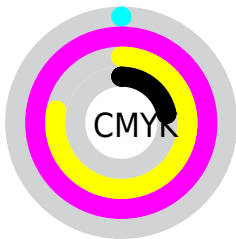
Distribution



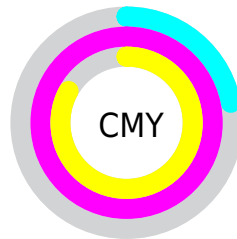
- Red (78%)
- Green (0%)
- Blue (17%)



- Red (78%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0078, 12.3240, 3.4963 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 24.0078, 12.3240, 3.4963 by changing the saturation by 10% instead.


 24.0078, 12.3240,
3.4963


 24.0078, 12.3240,
3.4963


265.2997,
206.5386, 142.4505

 15.4642, 6.9647,
1.3533


 49.4975, 30.0838,
12.8303


 9.2342, 3.4401,
0.1049


 67.1743, 43.2532,
20.8584


 4.9526, 1.3656,
0.0000

 88.6262, 59.7947,
31.6853

 2.2540, 0.1911,
0.0000

 114.2186, 80.0928,
45.7295

 0.7709, 0.0000,
0.0000

 144.3167,
104.5319, 63.4096

 0.0000, 0.0000,
0.0000

 179.2861,

133.4962, 85.1441

219.4919,
167.3704, 111.3515

■ 24.0078, 12.3240,
3.4963

■ 24.0078, 12.3240,
3.4963

■ 24.0070, 12.3236,
3.4930

■ 24.6047, 12.9613,
5.4115

■ 25.5767, 14.1571,
8.0424

■ 27.0226, 16.0937,
11.4692

■ 28.9977, 18.8680,
15.7528

■ 31.5493, 22.5620,
20.9477

■ 34.7193, 27.2479,
27.1038

■ 38.5457, 32.9907,
34.2671

■ 43.0631, 39.8498,
42.4806

■ 48.3040, 47.8802,
51.7850

Harmonies

Analogous

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



26.1106, 12.3240, 14.4469



24.0078, 12.3240, 3.4963



18.3680, 12.3240, 0.5019

Triad

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



24.0078, 12.3240, 3.4963



4.7413, 12.3240, 2.8345



11.3669, 12.3240, 73.8748

Complementary

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



24.0078, 12.3240, 3.4963



26.3437, 43.2147, 37.9815

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.



6.8987, 12.3240, 60.3552



24.0078, 12.3240, 3.4963



3.9103, 12.3240, 12.4406

Square

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



24.0078, 12.3240, 3.4963



7.3337, 12.3240, 0.3286



4.5522, 12.3240, 33.8509



17.5614, 12.3240, 63.1295

Rectangle

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



24.0078, 12.3240, 3.4963



14.0700, 12.3240, 0.0000



4.5522, 12.3240, 33.8509



9.6362, 12.3240, 71.8897

Sweetspot

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



24.0081, 12.3248, 3.4965



67.1559, 57.2585, 59.3809



23.3662, 10.8555, 54.8961



13.7347, 11.2931, 11.5219



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.



24.0081, 12.3248, 3.4965



41.9622, 21.5489, 5.7328



24.8308, 14.6972, 1.5294



10.7282, 10.6747, 11.5521



15.4646, 7.9354, 2.3903



0.7603, 0.3870, 0.2611

Inverse Universe

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



24.0081, 12.3248, 3.4965



41.9622, 21.5489, 5.7328



20.5795, 24.6643, 57.7084



10.7282, 10.6747, 11.5521



15.4646, 7.9354, 2.3903



0.7603, 0.3870, 0.2611

Previews

White Background



This preview shows how the XYZ color 24.0078, 12.3240, 3.4963 looks on a white background.

Color Contrast Check

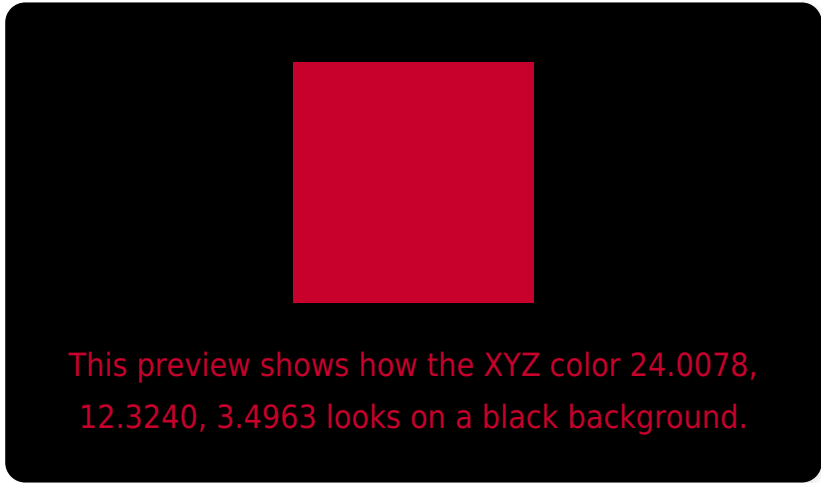
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0078, 12.3240, 3.4963

Background



This preview shows how black text looks on a background with the XYZ color 24.0078, 12.3240, 3.4963.



This preview shows how white text looks on a background with the XYZ color 24.0078, 12.3240,

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

24.0078, 12.3240, 3.4963

Protanopia

11.9735, 12.9638, 7.1814

Deuteranopia

13.0344, 12.9003, 3.0993



Tritanopia

23.5488, 12.4559, 1.3928

Trichromacy



Original Color

24.0078, 12.3240, 3.4963

Protanomaly

13.7781, 9.7333, 5.2902

Deuteranomaly

15.1240, 10.2372, 2.8479

Tritanomaly

23.5437, 12.2993, 1.8426

Monochromacy



Original Color

24.0078, 12.3240, 3.4963

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.4709, 5.4587, 4.4781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0078, 12.3240, 3.4963 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(199, 0, 44)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 44)  
}
```

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(199, 0, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 44) }
```

Border

The CSS property to change the border of an element to XYZ 24.0078, 12.3240, 3.4963 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(199, 0, 44) }
```


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

```
.border{ border-color:rgb(199, 0, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 0, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.0078, 12.3240, 3.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 44) }
```

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

```
.background{ background-color: rgb(199, 0,  
44) }
```

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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