

Converting Colors

XYZ(23.2888, 11.9674, 2.8244)

Have a look what the booklet for
XYZ(23.2888, 11.9674, 2.8244)
contains.

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Color

**XYZ(23.3599, 12.0039,
2.8360)**

Conversions

Conversions Part 1

Format	Color
Hex	C50025
RGB	197, 0, 37
RGB Percent	77%, 0%, 15%
CMY	0.2275, 0.9998, 0.8549
CMYK	0.00, 1.00, 0.81, 0.23
HSL	349°, 100%, 39%
HSV	349°, 100%, 77%
XYZ	23.3599, 12.0039, 2.8360
YIQ	63.1210, 105.5350, 53.2710

Conversions

Conversions Part 2

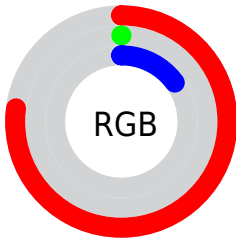
Format	Color
RYB	197, 0, 37
Decimal	12910629
CIELab	41.22, 66.55, 39.37
CIElCh	41, 77.323, 30.612
Yxy	12.0039, 0.6115, 0.3142
Android (android.graphics.Color)	4291100709 (0xFFC50025)
YUV	63.1210, -12.8777, 117.4119
Hunter-Lab	34.6466, 59.7189, 19.3995

Details

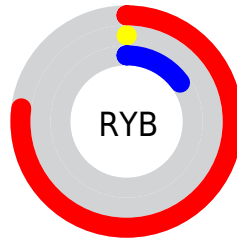
The XYZ color **23.3599, 12.0039, 2.8360** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.3152, 42.4719, 40.0867**, and the grayscale version is **4.7531, 5.0006, 5.4457**.

A 20% lighter version of the original color is **45.9333, 28.2098, 11.0067**, and **9.8315, 5.0683, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **23.3592, 12.0036, 2.8334**, and if you desaturate by 10%, it is **23.9141, 12.6185, 4.5437**.

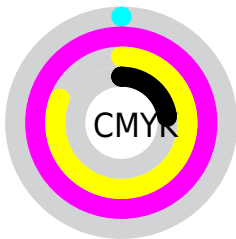
Distribution



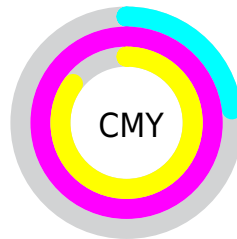
- Red (77%)
- Green (0%)
- Blue (15%)



- Red (77%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3599, 12.0039, 2.8360 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 23.3599, 12.0039, 2.8360 by changing the saturation by 10% instead.


 23.3599, 12.0039,
2.8360


 23.3599, 12.0039,
2.8360


262.0691,
204.4311, 134.2436

 14.9816, 6.7463,
1.0115


 48.4459, 29.5022,
11.2210


 8.8927, 3.3040,
0.0000


 65.8844, 42.5117,
18.6186


 4.7278, 1.2924,
0.0000

 87.0737, 58.8741,
28.7110

 2.1216, 0.1353,
0.0000

 112.3791, 78.9735,
41.9167

 0.7009, 0.0000,
0.0000

 142.1659,
103.1946, 58.6543

 0.0000, 0.0000,
0.0000

 176.7997,

131.9216, 79.3423

216.6456,
165.5390, 104.3992

23.3599, 12.0039,
2.8360

23.3599, 12.0039,
2.8360

23.3592, 12.0036,
2.8334

23.9141, 12.6185,
4.5437

24.8402, 13.7801,
6.9818

26.2370, 15.6685,
10.2378

28.1598, 18.3789,
14.3784

30.6559, 21.9916,
19.4635

■ 33.7674, 26.5775,
25.5474

■ 37.5321, 32.2004,
32.6801

■ 41.9850, 38.9186,
40.9085

■ 47.1584, 46.7860,
50.2764

Harmonies

Analogous

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



25.8539, 12.0039, 12.7448



23.3599, 12.0039, 2.8360



17.5265, 12.0039, 0.2587

Triad

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



23.3599, 12.0039, 2.8360



4.3812, 12.0039, 3.0462



11.5243, 12.0039, 74.1720

Complementary

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



23.3599, 12.0039, 2.8360



26.3152, 42.4719, 40.0867

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.



6.9123, 12.0039, 62.2933



23.3599, 12.0039, 2.8360



3.6917, 12.0039, 13.4011

Square

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



23.3599, 12.0039, 2.8360



6.7711, 12.0039, 0.3165



4.4420, 12.0039, 35.7949



17.7921, 12.0039, 61.3686

Rectangle

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



23.3599, 12.0039, 2.8360



13.2507, 12.0039, 0.0000



4.4420, 12.0039, 35.7949



9.7470, 12.0039, 72.8756

Sweetspot

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



23.3602, 12.0047, 2.8362



66.8696, 57.1439, 57.8731



24.1019, 11.2614, 53.7263



13.6688, 11.2668, 11.1748



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.



23.3602, 12.0047, 2.8362



41.7704, 21.4722, 4.7233



24.5966, 15.0114, 1.6022



10.7138, 10.6689, 11.4763



15.3877, 7.9046, 1.9853



0.7538, 0.3844, 0.2268

Inverse Universe

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



23.3602, 12.0047, 2.8362



41.7704, 21.4722, 4.7233



19.1543, 22.1830, 56.0952



10.7138, 10.6689, 11.4763



15.3877, 7.9046, 1.9853



0.7538, 0.3844, 0.2268

Previews

White Background



This preview shows how the XYZ color 23.3599, 12.0039, 2.8360 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

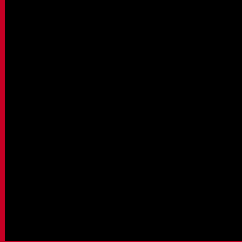
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3599, 12.0039, 2.8360

Background



This preview shows how black text looks on a background with the XYZ color 23.3599, 12.0039, 2.8360.



This preview shows how white text looks on a background with the XYZ color 23.3599, 12.0039,

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

23.3599, 12.0039, 2.8360

Protanopia

11.6276, 12.6710, 5.8359

Deuteranopia

12.8318, 12.6742, 2.4795



Tritanopia

22.9654, 12.1367, 1.1322

Trichromacy



Original Color

23.3599, 12.0039, 2.8360

Protanomaly

13.3936, 9.5598, 4.1569

Deuteranomaly

14.7626, 9.9862, 2.1864

Tritanomaly

22.9573, 12.0042, 1.4878

Monochromacy



Original Color

23.3599, 12.0039, 2.8360

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

8.1067, 5.2287, 4.0720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3599, 12.0039, 2.8360 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, 0, 37)` looks like.

```
.text, #text, p{  
  color:rgb(197, 0, 37)  
}
```

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, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 37) }
```

Border

The CSS property to change the border of an element to XYZ 23.3599, 12.0039, 2.8360 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, 0, 37) }
```


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

```
.border{ border-color:rgb(197, 0, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 0, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(197, 0, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.3599, 12.0039, 2.8360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 37) }
```

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

```
.background{ background-color: rgb(197, 0,  
37) }
```

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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