

Converting Colors

XYZ(23.1193, 11.9692, 7.6412)

Have a look what the booklet for
XYZ(23.1193, 11.9692, 7.6412)
contains.

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Color

**XYZ(23.1057, 11.9638,
7.5700)**

Conversions

Conversions Part 1

Format	Color
Hex	C00C4A
RGB	192, 12, 74
RGB Percent	75%, 5%, 29%
CMY	0.2471, 0.9528, 0.7098
CMYK	0.00, 0.94, 0.61, 0.25
HSL	339°, 88%, 40%
HSV	339°, 94%, 75%
XYZ	23.1057, 11.9638, 7.5700
YIQ	72.8880, 87.3780, 57.4420

Conversions

Conversions Part 2

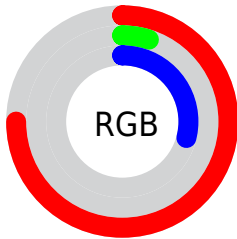
Format	Color
RYB	192, 12, 74
Decimal	12586058
CIELab	41.16, 65.68, 16.31
CIELCh	41, 67.676, 13.946
Yxy	11.9638, 0.5419, 0.2806
Android (android.graphics.Color)	4290776138 (0xFFC00C4A)
YUV	72.8880, 0.5482, 104.4612
Hunter-Lab	34.5887, 58.7100, 11.2361

Details

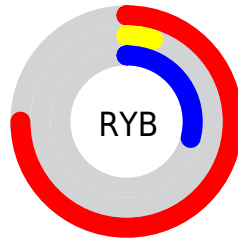
The XYZ color **23.1057, 11.9638, 7.5700** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.0329, 39.3900, 27.5192**, and the grayscale version is **6.3047, 6.6330, 7.2233**.

A 20% lighter version of the original color is **48.1610, 29.4815, 21.5645**, and **9.6074, 4.9242, 1.7404** is the 20% darker color. If you saturate the color by 10%, you get **22.7247, 11.6011, 6.2130**, and if you desaturate by 10%, it is **23.9377, 12.8800, 10.1535**.

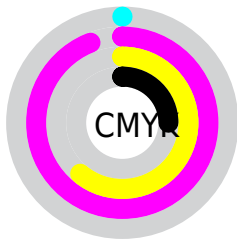
Distribution



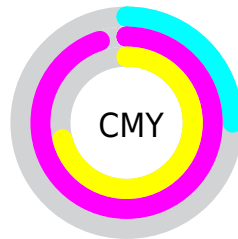
- Red (75%)
- Green (5%)
- Blue (29%)



- Red (75%)
- Yellow (5%)
- Blue (29%)



- Cyan (0%)
- Magenta (94%)
- Yellow (61%)
- Black (25%)





- Cyan (25%)
- Magenta (95%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1057, 11.9638, 7.5700 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 23.1057, 11.9638, 7.5700 by changing the saturation by 10% instead.


 23.1057, 11.9638,
7.5700


 23.1057, 11.9638,
7.5700


260.7926,
204.1655, 182.1261


 14.7927, 6.7190,
3.7373


 48.0322, 29.4292,
21.6431


 8.7594, 3.2870,
1.4823


 65.3764, 42.4185,
32.7206


 4.6404, 1.2833,
0.2047

 86.4618, 58.7582,
47.0501

 2.0704, 0.1283,
0.0000

 111.6536, 78.8327,
65.0501

 0.6731, 0.0000,
0.0000

 141.3172,
103.0262, 87.1391

 0.0000, 0.0000,
0.0000

 175.8180,

131.7233, 113.7358

215.5214,
165.3082, 145.2586

■ 23.1057, 11.9638,
7.5700

■ 23.1057, 11.9638,
7.5700

■ 22.7247, 11.6011,
6.2130

■ 23.9377, 12.8800,
10.1535

■ 25.1579, 14.4290,
13.3081

■ 26.8169, 16.7055,
17.0723

■ 28.9571, 19.7874,
21.4800

■ 31.6154, 23.7428,
26.5625

■ 34.8249, 28.6321,
32.3485

■ 38.6161, 34.5105,
38.8652

■ 43.0169, 41.4289,
46.1380

■ 48.0536, 49.4346,
54.1912

Harmonies

Analogous

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



22.9629, 11.9638, 21.9467



23.1057, 11.9638, 7.5700



19.5404, 11.9638, 1.8681

Triad

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



23.1057, 11.9638, 7.5700



6.0290, 11.9638, 1.6833



8.9717, 11.9638, 59.5814

Complementary

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



23.1057, 11.9638, 7.5700



23.0329, 39.3900, 27.5192

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.



5.8708, 11.9638, 41.9369



23.1057, 11.9638, 7.5700



4.5340, 11.9638, 6.9252

Square

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



23.1057, 11.9638, 7.5700



9.2590, 11.9638, 0.3693



4.4858, 11.9638, 20.6241



13.7825, 11.9638, 60.2882

Rectangle

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



23.1057, 11.9638, 7.5700



16.0035, 11.9638, 0.7106



4.4858, 11.9638, 20.6241



7.7321, 11.9638, 55.0697

Sweetspot

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



23.1060, 11.9645, 7.5702



66.5969, 57.2796, 64.6863



18.7011, 8.7374, 50.5697



13.6649, 11.3263, 12.7985



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.1060, 11.9645, 7.5702



41.0702, 20.9782, 10.6988



22.5311, 12.6858, 1.6099



10.2132, 10.1339, 11.2130



15.3247, 7.8196, 4.3560



0.6948, 0.3509, 0.3605

Inverse Universe

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



23.1060, 11.9645, 7.5702



41.0702, 20.9782, 10.6988



23.1224, 30.7960, 54.5944



10.2132, 10.1339, 11.2130



15.3247, 7.8196, 4.3560



0.6948, 0.3509, 0.3605

Previews

White Background



This preview shows how the XYZ color 23.1057, 11.9638, 7.5700 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 23.1057, 11.9638, 7.5700

Background



This preview shows how black text looks on a background with the XYZ color 23.1057, 11.9638, 7.5700.



This preview shows how white text looks on a background with the XYZ color 23.1057, 11.9638,

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

23.1057, 11.9638, 7.5700

Protanopia

12.1115, 12.4147, 15.9453

Deuteranopia

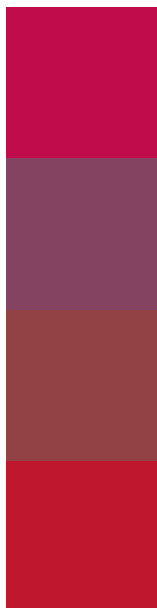
12.6833, 12.4997, 6.8985



Tritanopia

22.2102, 12.1501, 2.4029

Trichromacy



Original Color

23.1057, 11.9638, 7.5700

Protanomaly

13.6342, 9.7644, 12.2324

Deuteranomaly

14.8185, 10.3213, 6.8414

Tritanomaly

22.3056, 11.9269, 3.7113

Monochromacy



Original Color

23.1057, 11.9638, 7.5700

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

9.5889, 6.5617, 7.0645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1057, 11.9638, 7.5700 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(192, 12, 74)` looks like.

```
.text, #text, p{  
    color:rgb(192, 12, 74)  
}
```

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(192, 12, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 12, 74) }
```

Border

The CSS property to change the border of an element to XYZ 23.1057, 11.9638, 7.5700 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(192, 12, 74) }
```


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

```
.border{ border-color:rgb(192, 12, 74) }
```

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

Here you see how a box with a 4 pixel rgb(192, 12, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 12, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 12, 74);  
box-shadow:4px 4px 4px 4px rgb(192, 12,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1057, 11.9638, 7.5700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 12, 74) }
```

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

```
.background{ background-color: rgb(192, 12,  
74) }
```

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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