

Converting Colors

XYZ(23.5096, 12.2241, 5.6601)

Have a look what the booklet for
XYZ(23.5096, 12.2241, 5.6601)
contains.

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Color

**XYZ(23.5191, 12.2378,
5.6800)**

Conversions

Conversions Part 1

Format	Color
Hex	C30D3E
RGB	195, 13, 62
RGB Percent	76%, 5%, 24%
CMY	0.2353, 0.9489, 0.7569
CMYK	0.00, 0.93, 0.68, 0.24
HSL	344°, 87%, 41%
HSV	344°, 93%, 76%
XYZ	23.5191, 12.2378, 5.6800
YIQ	73.0040, 92.7430, 53.8230

Conversions

Conversions Part 2

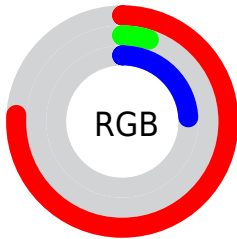
Format	Color
RYB	195, 13, 62
Decimal	12782910
CIELab	41.59, 65.66, 24.57
CIElCh	42, 70.110, 20.512
Yxy	12.2378, 0.5676, 0.2953
Android (android.graphics.Color)	4290972990 (0xFFC30D3E)
YUV	73.0040, -5.4250, 106.9905
Hunter-Lab	34.9826, 58.7877, 14.8611

Details

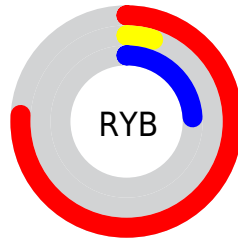
The XYZ color **23.5191, 12.2378, 5.6800** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **24.8724, 41.1921, 33.8479**, and the grayscale version is **6.3346, 6.6645, 7.2577**.

A 20% lighter version of the original color is **47.4900, 29.3436, 17.6289**, and **9.8082, 5.0407, 1.1655** is the 20% darker color. If you saturate the color by 10%, you get **23.1360, 11.8542, 4.3736**, and if you desaturate by 10%, it is **24.3499, 13.1894, 8.1461**.

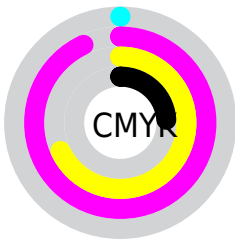
Distribution



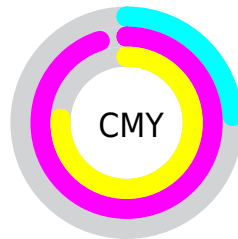
- Red (76%)
- Green (5%)
- Blue (24%)



- Red (76%)
- Yellow (5%)
- Blue (24%)



- Cyan (0%)
- Magenta (93%)
- Yellow (68%)
- Black (24%)





- Cyan (24%)
- Magenta (95%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5191, 12.2378, 5.6800 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 23.5191, 12.2378, 5.6800 by changing the saturation by 10% instead.


 23.5191, 12.2378,
5.6800


 23.5191, 12.2378,
5.6800


262.8659,
205.9733, 165.3859

 15.1001, 6.9058,
2.5859


 48.7047, 29.9275,
17.7291


 8.9764, 3.4033,
0.8851


 66.2020, 43.0540,
27.5211


 4.7828, 1.3457,
0.0000

 87.4561, 59.5475,
40.3828

 2.1538, 0.1762,
0.0000

 112.8323, 79.7923,
56.7328

 0.7182, 0.0000,
0.0000

 142.6961,
104.1729, 76.9895

 0.0000, 0.0000,
0.0000

 177.4127,

133.0737, 101.5716

217.3475,
166.8790, 130.8975

■ 23.5191, 12.2378,
5.6800

■ 23.5191, 12.2378,
5.6800

■ 23.1360, 11.8542,
4.3736

■ 24.3499, 13.1894,
8.1461

■ 25.6021, 14.8079,
11.2950

■ 27.3303, 17.1918,
15.1775

■ 29.5800, 20.4223,
19.8391

■ 32.3912, 24.5704,
25.3213

■ 35.7998, 29.6993,
31.6623

■ 39.8388, 35.8669,
38.8981

■ 44.5385, 43.1263,
47.0622

■ 49.9274, 51.5270,
56.1867

Harmonies

Analogous

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



24.3113, 12.2378, 18.5402



23.5191, 12.2378, 5.6800



19.0918, 12.2378, 1.2559

Triad

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



23.5191, 12.2378, 5.6800



5.5632, 12.2378, 2.2290



10.0815, 12.2378, 65.0511

Complementary

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



23.5191, 12.2378, 5.6800



24.8724, 41.1921, 33.8479

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.



6.4227, 12.2378, 49.1330



23.5191, 12.2378, 5.6800



4.3675, 12.2378, 9.1926

Square

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



23.5191, 12.2378, 5.6800



8.5089, 12.2378, 0.4226



4.6276, 12.2378, 25.8634



15.4379, 12.2378, 61.0958

Rectangle

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



23.5191, 12.2378, 5.6800



15.2391, 12.2378, 0.3927



4.6276, 12.2378, 25.8634



8.6438, 12.2378, 61.5728

Sweetspot

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



23.5194, 12.2386, 5.6802



67.5051, 58.3458, 62.8299



21.3991, 10.1081, 52.4525



14.1119, 11.7556, 12.5471



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.



23.5194, 12.2386, 5.6802



41.3494, 21.1961, 7.3700



23.8270, 14.1285, 1.8532



10.1820, 10.1214, 11.0492



15.0678, 7.7169, 3.0030



0.6809, 0.3454, 0.2869

Inverse Universe

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



23.5194, 12.2386, 5.6802



41.3494, 21.1961, 7.3700



21.8338, 27.6600, 55.8175



10.1820, 10.1214, 11.0492



15.0678, 7.7169, 3.0030



0.6809, 0.3454, 0.2869

Previews

White Background



This preview shows how the XYZ color 23.5191, 12.2378, 5.6800 looks on a white background.

Color Contrast Check

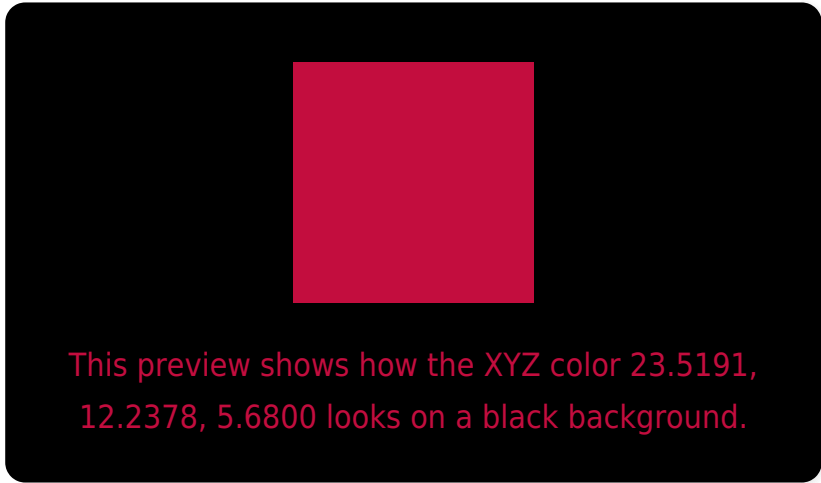
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5191, 12.2378, 5.6800

Background



This preview shows how black text looks on a background with the XYZ color 23.5191, 12.2378, 5.6800.



This preview shows how white text looks on a background with the XYZ color 23.5191, 12.2378,

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

23.5191, 12.2378, 5.6800

Protanopia

12.1544, 12.8127, 11.7300

Deuteranopia

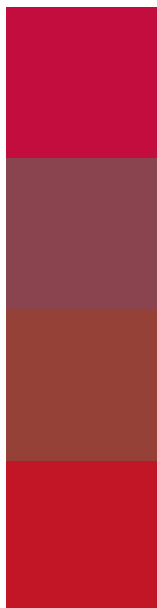
12.7609, 12.5790, 5.1236



Tritanopia

22.8049, 12.3191, 2.0400

Trichromacy



Original Color

23.5191, 12.2378, 5.6800

Protanomaly

13.8316, 10.0318, 8.7967

Deuteranomaly

14.9985, 10.4557, 4.9690

Tritanomaly

22.8849, 12.1831, 2.9791

Monochromacy



Original Color

23.5191, 12.2378, 5.6800

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

9.5941, 6.5792, 6.3945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5191, 12.2378, 5.6800 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(195, 13, 62)` looks like.

```
.text, #text, p{  
    color:rgb(195, 13, 62)  
}
```

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(195, 13, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 13, 62) }
```

Border

The CSS property to change the border of an element to XYZ 23.5191, 12.2378, 5.6800 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(195, 13, 62) }
```


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

```
.border{ border-color:rgb(195, 13, 62) }
```

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

Here you see how a box with a 4 pixel rgb(195, 13, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 13, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 13, 62);  
box-shadow:4px 4px 4px 4px rgb(195, 13,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5191, 12.2378, 5.6800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 13, 62) }
```

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

```
.background{ background-color: rgb(195, 13,  
62) }
```

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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