

Converting Colors

XYZ(23.4806, 12.1257, 8.1089)

Have a look what the booklet for
XYZ(23.4806, 12.1257, 8.1089)
contains.

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Color

**XYZ(23.4515, 12.1126,
8.1231)**

Conversions

Conversions Part 1

Format	Color
Hex	C10B4D
RGB	193, 11, 77
RGB Percent	76%, 4%, 30%
CMY	0.2431, 0.9567, 0.6980
CMYK	0.00, 0.94, 0.60, 0.24
HSL	338°, 89%, 40%
HSV	338°, 94%, 76%
XYZ	23.4515, 12.1126, 8.1231
YIQ	72.9420, 87.2860, 59.1100

Conversions

Conversions Part 2

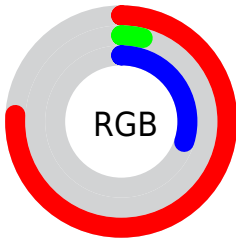
Format	Color
RYB	193, 11, 77
Decimal	12651341
CIELab	41.39, 66.21, 14.76
CIElCh	41, 67.839, 12.568
Yxy	12.1126, 0.5368, 0.2773
Android (android.graphics.Color)	4290841421 (0xFFC10B4D)
YUV	72.9420, 2.0006, 105.2909
Hunter-Lab	34.8032, 59.3736, 10.5239

Details

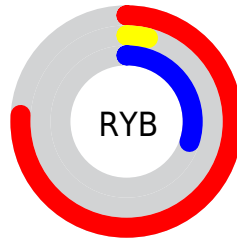
The XYZ color **23.4515, 12.1126, 8.1231** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.0413, 39.7442, 26.5472**, and the grayscale version is **6.3119, 6.6406, 7.2316**.

A 20% lighter version of the original color is **48.4141, 29.5827, 22.8970**, and **9.8045, 5.0210, 1.9658** is the 20% darker color. If you saturate the color by 10%, you get **23.0966, 11.7791, 6.8450**, and if you desaturate by 10%, it is **24.2809, 13.0093, 10.7495**.

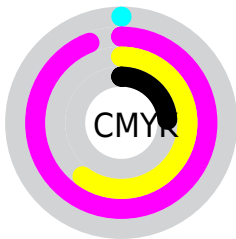
Distribution



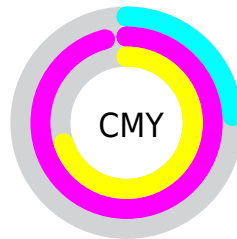
- Red (76%)
- Green (4%)
- Blue (30%)



- Red (76%)
- Yellow (4%)
- Blue (30%)



- Cyan (0%)
- Magenta (94%)
- Yellow (60%)
- Black (24%)





- Cyan (24%)
- Magenta (96%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4515, 12.1126, 8.1231 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 23.4515, 12.1126, 8.1231 by changing the saturation by 10% instead.


 23.4515, 12.1126,
8.1231


 23.4515, 12.1126,
8.1231


262.5278,
205.1493, 186.6649


 15.0498, 6.8204,
4.0849


 48.5949, 29.7000,
22.7496

 8.9409, 3.3500,
1.6720


 66.0672, 42.7640,
34.1749

 4.7594, 1.3171,
0.3415

 87.2938, 59.1875,
48.8997

 2.1401, 0.1544,
0.0000

 112.6400, 79.3547,
67.3426

 0.7109, 0.0000,
0.0000

 142.4711,
103.6501, 89.9220

 0.0000, 0.0000,
0.0000

 177.1526,

132.4580, 117.0565

217.0497,
166.1630, 149.1646

■ 23.4515, 12.1126,
8.1231

■ 23.4515, 12.1126,
8.1231

■ 23.0966, 11.7791,
6.8450

■ 24.2809, 13.0093,
10.7495

■ 25.4960, 14.5390,
13.9309

■ 27.1484, 16.7984,
17.7044

■ 29.2809, 19.8672,
22.1025

■ 31.9307, 23.8145,
27.1552

■ 35.1315, 28.7019,
32.8901

■ 38.9137, 34.5853,
39.3331

■ 43.3056, 41.5165,
46.5087

■ 48.3336, 49.5434,
54.4401

Harmonies

Analogous

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



23.1188, 12.1126, 23.0972



23.4515, 12.1126, 8.1231



19.9912, 12.1126, 2.0338

Triad

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



23.4515, 12.1126, 8.1231



6.2209, 12.1126, 1.6007



8.9021, 12.1126, 59.6829

Complementary

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



23.4515, 12.1126, 8.1231



23.0413, 39.7442, 26.5472

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.



5.8514, 12.1126, 41.3613



23.4515, 12.1126, 8.1231



4.6346, 12.1126, 6.6174

Square

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



23.4515, 12.1126, 8.1231



9.5723, 12.1126, 0.3605



4.5221, 12.1126, 20.0149



13.6989, 12.1126, 61.3279

Rectangle

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



23.4515, 12.1126, 8.1231



16.4503, 12.1126, 0.7802



4.5221, 12.1126, 20.0149



7.6774, 12.1126, 54.8818

Sweetspot

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



23.4518, 12.1133, 8.1233



66.7502, 57.3410, 65.4937



18.3910, 8.5472, 51.1322



13.7011, 11.3408, 12.9895



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.



23.4518, 12.1133, 8.1233



41.2593, 21.0539, 11.6950



22.6626, 12.5812, 1.5516



10.2207, 10.1369, 11.2529



15.3973, 7.8487, 4.7383



0.6985, 0.3524, 0.3796

Inverse Universe

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



23.4518, 12.1133, 8.1233



41.2593, 21.0539, 11.6950



23.9032, 32.1999, 55.4071



10.2207, 10.1369, 11.2529



15.3973, 7.8487, 4.7383



0.6985, 0.3524, 0.3796

Previews

White Background



This preview shows how the XYZ color 23.4515, 12.1126, 8.1231 looks on a white background.

Color Contrast Check

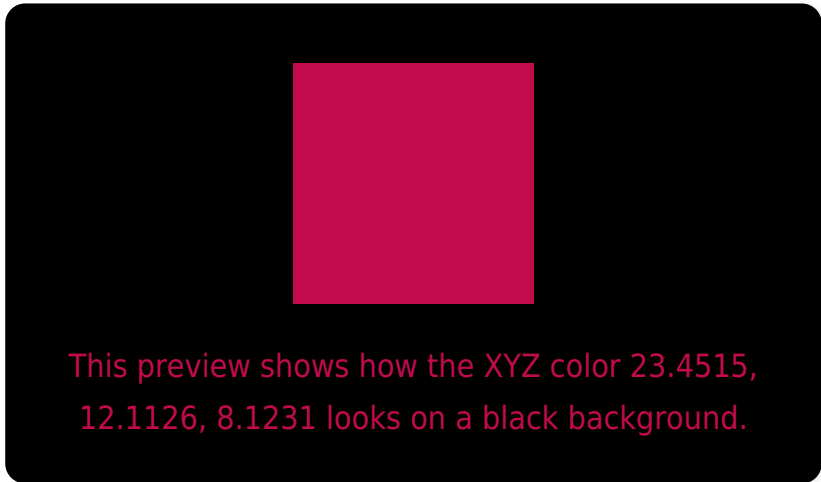
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4515, 12.1126, 8.1231

Background



This preview shows how black text looks on a background with the XYZ color 23.4515, 12.1126, 8.1231.



This preview shows how white text looks on a background with the XYZ color 23.4515, 12.1126,

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

23.4515, 12.1126, 8.1231

Protanopia

12.4235, 12.6902, 17.1239

Deuteranopia

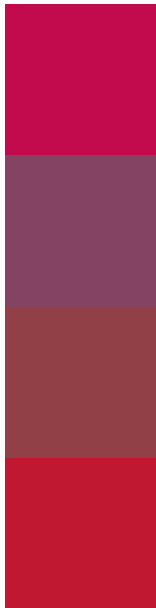
12.7741, 12.5360, 7.3766



Tritanopia

22.2497, 12.2083, 2.4801

Trichromacy



Original Color

23.4515, 12.1126, 8.1231

Protanomaly

13.9322, 9.9017, 12.9813

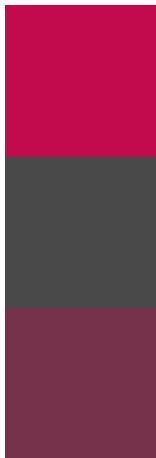
Deuteranomaly

14.8572, 10.2457, 7.3254

Tritanomaly

22.5984, 12.0731, 3.9356

Monochromacy



Original Color

23.4515, 12.1126, 8.1231

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

9.7128, 6.5575, 7.2324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4515, 12.1126, 8.1231 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(193, 11, 77)` looks like.

```
.text, #text, p{  
    color:rgb(193, 11, 77)  
}
```

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(193, 11, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 11, 77) }
```

Border

The CSS property to change the border of an element to XYZ 23.4515, 12.1126, 8.1231 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(193, 11, 77) }
```


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

```
.border{ border-color:rgb(193, 11, 77) }
```

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

Here you see how a box with a 4 pixel rgb(193, 11, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 11, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 11, 77);  
box-shadow:4px 4px 4px 4px rgb(193, 11,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4515, 12.1126, 8.1231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 11, 77) }
```

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

```
.background{ background-color: rgb(193, 11,  
77) }
```

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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