

Converting Colors

XYZ(23.6116, 13.8500, 5.0433)

Have a look what the booklet for
XYZ(23.6116, 13.8500, 5.0433)
contains.

XYZ(23.6116, 13.8500, 5.0433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.6116, 13.8500,
5.0433)**

Conversions

Conversions Part 1

Format	Color
Hex	C03337
RGB	192, 51, 55
RGB Percent	75%, 20%, 22%
CMY	0.2471, 0.8000, 0.7843
CMYK	0.00, 0.73, 0.71, 0.25
HSL	358°, 58%, 48%
HSV	358°, 73%, 75%
XYZ	23.6116, 13.8500, 5.0433
YIQ	93.6150, 82.7520, 31.1360

Conversions

Conversions Part 2

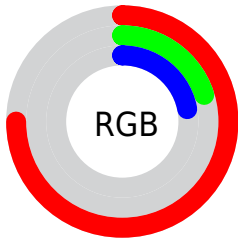
Format	Color
R_{YB}	192, 51, 55
Decimal	12596023
CIE _{Lab}	44.02, 55.62, 31.65
CIE _{LCh}	44, 63.997, 29.642
Yxy	13.8500, 0.5555, 0.3258
Android (android.graphics.Color)	4290786103 (0xFFC03337)
YUV	93.6150, -19.0372, 86.2836
Hunter-Lab	37.2156, 48.1229, 18.0162

Details

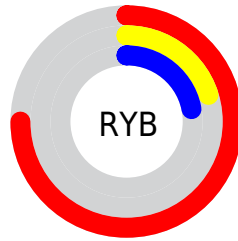
The XYZ color **23.6116, 13.8500, 5.0433** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **29.2934, 42.0342, 54.1518**, and the grayscale version is **10.5793, 11.1303, 12.1209**.

A 20% lighter version of the original color is **49.0008, 32.9444, 16.3467**, and **9.4327, 4.8544, 0.8206** is the 20% darker color. If you saturate the color by 10%, you get **22.5732, 12.3587, 2.8925**, and if you desaturate by 10%, it is **25.1659, 16.1029, 8.2000**.

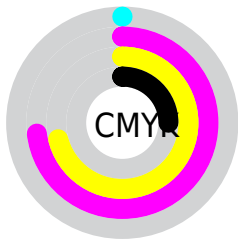
Distribution



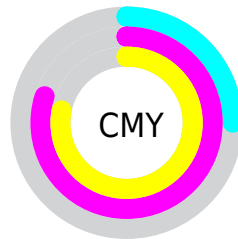
- Red (75%)
- Green (20%)
- Blue (22%)



- Red (75%)
- Yellow (20%)
- Blue (22%)



- Cyan (0%)
- Magenta (73%)
- Yellow (71%)
- Black (25%)





- Cyan (25%)
- Magenta (80%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6116, 13.8500, 5.0433 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 23.6116, 13.8500, 5.0433 by changing the saturation by 10% instead.


 23.6116, 13.8500,
5.0433


 23.6116, 13.8500,
5.0433


263.3280,
216.2957, 159.1983


 15.1689, 8.0164,
2.2135


 48.8549, 32.8226,
16.3522


 9.0251, 4.1055,
0.6821


 66.3863, 46.7305,
25.6684

 4.8148, 1.7327,
0.0000

 87.6780, 64.0985,
37.9839

 2.1727, 0.4447,
0.0000

 113.0953, 85.3112,
53.7171

 0.7283, 0.0000,
0.0000

 143.0036,
110.7528, 73.2866

 0.0000, 0.0000,
0.0000

 177.7682,

140.8078, 97.1109

217.7546,
175.8607, 125.6087

■ 23.6116, 13.8500,
5.0433

■ 23.6116, 13.8500,
5.0433

■ 22.5732, 12.3587,
2.8925

■ 25.1659, 16.1029,
8.2000

■ 21.9836, 11.5270,
1.6252

■ 27.2902, 19.1979,
12.4645

■ 21.7678, 11.2183,
1.1741

■ 30.0328, 23.2078,
17.9271

■ 33.4368, 28.1971,
24.6684

■ 37.5412, 34.2242,
32.7622

■ 42.3821, 41.3433,
42.2766

■ 47.9931, 49.6044,
53.2752

■ 54.4058, 59.0547,
65.8176

■ 61.6499, 69.7387,
79.9602

Harmonies

Analogous

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



25.5495, 13.8500, 15.2556



23.6116, 13.8500, 5.0433



18.7446, 13.8500, 1.5294

Triad

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



23.6116, 13.8500, 5.0433



6.4054, 13.8500, 4.8989



13.1031, 13.8500, 63.9299

Complementary

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



23.6116, 13.8500, 5.0433



29.2934, 42.0342, 54.1518

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.



8.8181, 13.8500, 54.3997



23.6116, 13.8500, 5.0433



5.6120, 13.8500, 14.9063

Square

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



23.6116, 13.8500, 5.0433



8.8992, 13.8500, 1.4917



6.3677, 13.8500, 33.5830



18.6112, 13.8500, 54.8115

Rectangle

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



23.6116, 13.8500, 5.0433



14.9998, 13.8500, 0.9045



6.3677, 13.8500, 33.5830



11.4845, 13.8500, 62.7444

Sweetspot

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



23.6119, 13.8508, 5.0435



68.9044, 63.3081, 61.0981



31.2655, 16.7770, 51.4590



14.3103, 12.8881, 12.1783



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.



23.6119, 13.8508, 5.0435



40.1742, 21.3621, 3.6919



28.6744, 24.1228, 6.2781



10.0845, 10.0824, 10.5355



14.6524, 7.5507, 0.8157



0.6372, 0.3279, 0.0566

Inverse Universe

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



23.6119, 13.8508, 5.0435



40.1742, 21.3621, 3.6919



18.3672, 19.4840, 52.6614



10.0845, 10.0824, 10.5355



14.6524, 7.5507, 0.8157



0.6372, 0.3279, 0.0566

Previews

White Background



This preview shows how the XYZ color 23.6116, 13.8500, 5.0433 looks on a white background.

Color Contrast Check

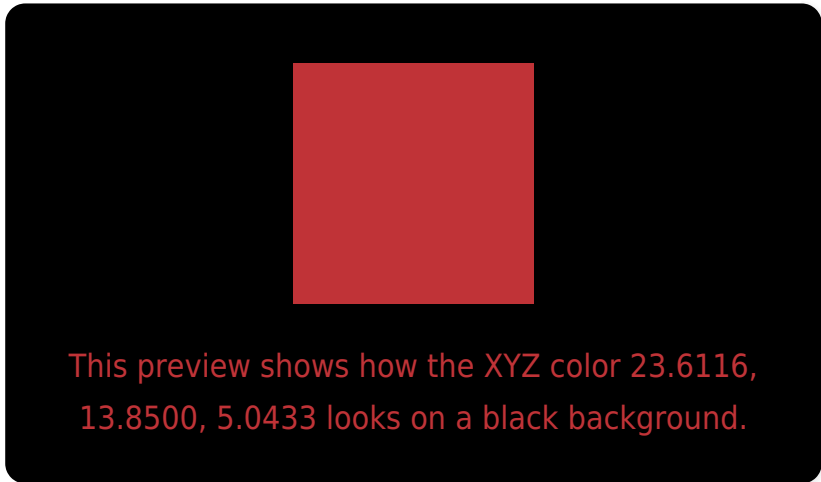
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6116, 13.8500, 5.0433

Background



This preview shows how black text looks on a background with the XYZ color 23.6116, 13.8500, 5.0433.



This preview shows how white text looks on a background with the XYZ color 23.6116, 13.8500,

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

23.6116, 13.8500, 5.0433

Protanopia

13.0977, 14.1083, 8.5114

Deuteranopia

14.2762, 14.0654, 4.6518



Tritanopia

23.5647, 13.8312, 4.7958

Trichromacy



Original Color

23.6116, 13.8500, 5.0433

Protanomaly

15.4169, 12.6530, 6.9399

Deuteranomaly

16.7299, 13.0372, 4.6523

Tritanomaly

23.5879, 13.8405, 4.9183

Monochromacy



Original Color

23.6116, 13.8500, 5.0433

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.3783, 10.7738, 8.9639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6116, 13.8500, 5.0433 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, 51, 55)` looks like.

```
.text, #text, p{  
    color:rgb(192, 51, 55)  
}
```

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, 51, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 51, 55) }
```

Border

The CSS property to change the border of an element to XYZ 23.6116, 13.8500, 5.0433 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, 51, 55) }
```


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

```
.border{ border-color:rgb(192, 51, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 51, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 51, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 51, 55);  
box-shadow:4px 4px 4px 4px rgb(192, 51,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6116, 13.8500, 5.0433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 51, 55) }
```

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

```
.background{ background-color: rgb(192, 51,  
55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor