

Converting Colors

XYZ(23.7458, 13.4339, 9.0798)

Have a look what the booklet for
XYZ(23.7458, 13.4339, 9.0798)
contains.

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Color

**XYZ(23.6211, 13.3426,
9.1150)**

Conversions

Conversions Part 1

Format	Color
Hex	BE2C51
RGB	190, 44, 81
RGB Percent	75%, 17%, 32%
CMY	0.2549, 0.8274, 0.6824
CMYK	0.00, 0.77, 0.57, 0.25
HSL	345°, 62%, 46%
HSV	345°, 77%, 75%
XYZ	23.6211, 13.3426, 9.1150
YIQ	91.8720, 75.1390, 42.4590

Conversions

Conversions Part 2

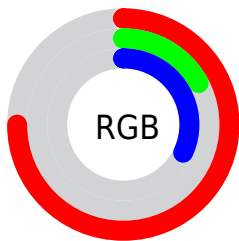
Format	Color
R_{YB}	190, 44, 81
Decimal	12463185
CIE _{Lab}	43.27, 58.86, 14.71
CIE _{LCh}	43, 60.672, 14.029
Yxy	13.3426, 0.5126, 0.2896
Android (android.graphics.Color)	4290653265 (0xFFBE2C51)
YUV	91.8720, -5.3599, 86.0583
Hunter-Lab	36.5275, 51.5067, 10.7742

Details

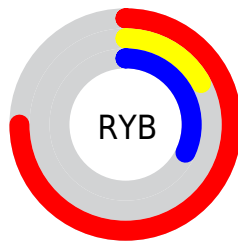
The XYZ color **23.6211, 13.3426, 9.1150** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **25.2032, 39.6627, 36.4688**, and the grayscale version is **10.1441, 10.6724, 11.6223**.

A 20% lighter version of the original color is **49.0244, 32.0076, 24.7133**, and **9.5398, 4.8794, 2.1893** is the 20% darker color. If you saturate the color by 10%, you get **22.5905, 12.0459, 6.4155**, and if you desaturate by 10%, it is **25.0873, 15.3330, 12.5082**.

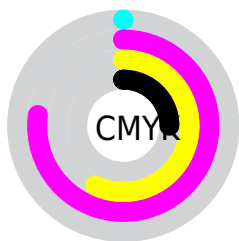
Distribution



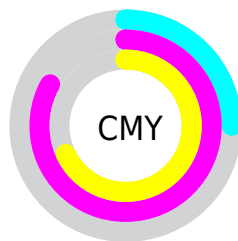
- Red (75%)
- Green (17%)
- Blue (32%)



- Red (75%)
- Yellow (17%)
- Blue (32%)



- Cyan (0%)
- Magenta (77%)
- Yellow (57%)
- Black (25%)





- Cyan (25%)
- Magenta (83%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6211, 13.3426, 9.1150 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 23.6211, 13.3426, 9.1150 by changing the saturation by 10% instead.


 23.6211, 13.3426,
9.1150


 23.6211, 13.3426,
9.1150


263.3754,
213.1018, 194.4830


 15.1760, 7.6649,
4.7184


 48.8704, 31.9179,
24.6983


 9.0301, 3.8813,
2.0272


 66.4053, 45.5843,
36.7221


 4.8181, 1.6074,
0.5719

 87.7008, 62.6824,
52.1254

 2.1746, 0.3626,
0.0000

 113.1223, 83.5965,
71.3267

 0.7293, 0.0000,
0.0000

 143.0352,
108.7112, 94.7446

 0.0000, 0.0000,
0.0000

 177.8047,

138.4107, 122.7976

217.7964,
173.0794, 155.9042

■ 23.6211, 13.3426,
9.1150

■ 23.6211, 13.3426,
9.1150

■ 22.5905, 12.0459,
6.4155

■ 25.0873, 15.3330,
12.5082

■ 21.9345, 11.3312,
4.3546

■ 27.0336, 18.0955,
16.6412

■ 21.7715, 11.1617,
3.8185

■ 29.5001, 21.7007,
21.5564

■ 32.5218, 26.2102,
27.2927

■ 36.1311, 31.6802,
33.8863

■ 40.3574, 38.1620,
41.3711

■ 45.2284, 45.7033,
49.7792

■ 50.7700, 54.3488,
59.1411

■ 57.0065, 64.1407,
69.4858

Harmonies

Analogous

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



23.5013, 13.3426, 22.8733



23.6211, 13.3426, 9.1150



20.3496, 13.3426, 2.9443

Triad

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



23.6211, 13.3426, 9.1150



7.3819, 13.3426, 2.7355



10.3548, 13.3426, 56.3017

Complementary

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



23.6211, 13.3426, 9.1150



25.2032, 39.6627, 36.4688

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.



7.2320, 13.3426, 40.9513



23.6211, 13.3426, 9.1150



5.8281, 13.3426, 8.5081

Square

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



23.6211, 13.3426, 9.1150



10.6153, 13.3426, 1.1077



5.7810, 13.3426, 21.7459



15.0003, 13.3426, 56.8636

Rectangle

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



23.6211, 13.3426, 9.1150



17.0638, 13.3426, 1.4728



5.7810, 13.3426, 21.7459



9.1226, 13.3426, 52.4124

Sweetspot

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



23.6214, 13.3434, 9.1152



67.9987, 61.2658, 65.9194



22.9707, 12.1058, 49.8410



14.3472, 12.5600, 13.4296



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.



23.6214, 13.3434, 9.1152



40.0831, 20.8729, 9.0202



24.4197, 16.5885, 4.2988



9.6267, 9.5750, 10.4232



14.5042, 7.4328, 2.6829



0.5956, 0.3021, 0.2496

Inverse Universe

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



23.6214, 13.3434, 9.1152



40.0831, 20.8729, 9.0202



22.2111, 28.0087, 52.9506



9.6267, 9.5750, 10.4232



14.5042, 7.4328, 2.6829



0.5956, 0.3021, 0.2496

Previews

White Background



This preview shows how the XYZ color 23.6211, 13.3426, 9.1150 looks on a white background.

Color Contrast Check

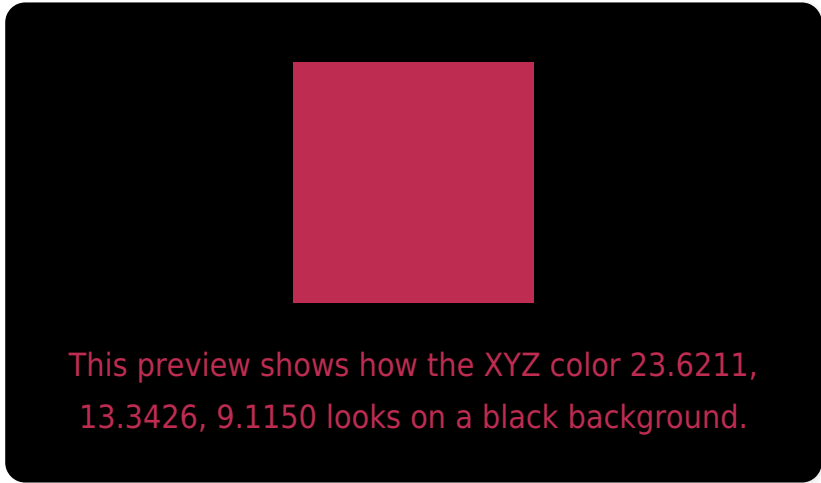
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6211, 13.3426, 9.1150

Background



This preview shows how black text looks on a background with the XYZ color 23.6211, 13.3426, 9.1150.



This preview shows how white text looks on a background with the XYZ color 23.6211, 13.3426,

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

23.6211, 13.3426, 9.1150

Protanopia

13.2041, 13.6882, 16.4142

Deuteranopia

13.8662, 13.6290, 8.3784



Tritanopia

22.7899, 13.4344, 4.6407

Trichromacy



Original Color

23.6211, 13.3426, 9.1150

Protanomaly

15.2611, 12.0863, 13.3329

Deuteranomaly

16.1682, 12.3308, 8.5491

Tritanomaly

22.9404, 13.2916, 6.0591

Monochromacy



Original Color

23.6211, 13.3426, 9.1150

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

13.1796, 10.3259, 10.5310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6211, 13.3426, 9.1150 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(190, 44, 81)` looks like.

```
.text, #text, p{  
    color:rgb(190, 44, 81)  
}
```

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(190, 44, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 44, 81) }
```

Border

The CSS property to change the border of an element to XYZ 23.6211, 13.3426, 9.1150 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(190, 44, 81) }
```


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

```
.border{ border-color:rgb(190, 44, 81) }
```

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

Here you see how a box with a 4 pixel rgb(190, 44, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 44, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 44, 81);  
box-shadow:4px 4px 4px 4px rgb(190, 44,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6211, 13.3426, 9.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 44, 81) }
```

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

```
.background{ background-color: rgb(190, 44,  
81) }
```

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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