

Converting Colors

XYZ(23.1439, 16.3263, 11.9080)

Have a look what the booklet for
XYZ(23.1439, 16.3263, 11.9080)
contains.

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Color

**XYZ(23.1130, 16.2890,
11.8234)**

Conversions

Conversions Part 1

Format	Color
Hex	B1535B
RGB	177, 83, 91
RGB Percent	69%, 33%, 36%
CMY	0.3059, 0.6745, 0.6431
CMYK	0.00, 0.53, 0.49, 0.31
HSL	355°, 38%, 51%
HSV	355°, 53%, 69%
XYZ	23.1130, 16.2890, 11.8234
YIQ	112.0180, 53.4560, 22.4160

Conversions

Conversions Part 2

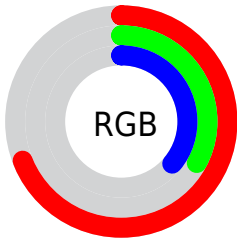
Format	Color
R_{YB}	177, 83, 91
Decimal	11621211
CIE Lab	47.35, 39.02, 13.81
CIE LCh	47, 41.393, 19.489
Yxy	16.2890, 0.4512, 0.3180
Android (android.graphics.Color)	4289811291 (0xFFB1535B)
YUV	112.0180, -10.3619, 56.9892
Hunter-Lab	40.3596, 31.5933, 10.8827

Details

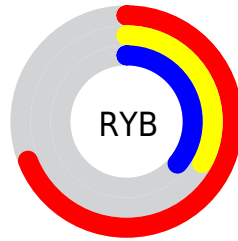
The XYZ color **23.1130, 16.2890, 11.8234** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.4518, 36.1481, 43.1218**, and the grayscale version is **15.4254, 16.2287, 17.6731**.

A 20% lighter version of the original color is **48.0638, 37.0839, 29.8240**, and **8.7554, 5.2234, 3.1315** is the 20% darker color. If you saturate the color by 10%, you get **21.3026, 13.6683, 8.1373**, and if you desaturate by 10%, it is **25.4207, 19.6631, 16.4193**.

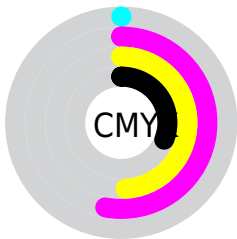
Distribution



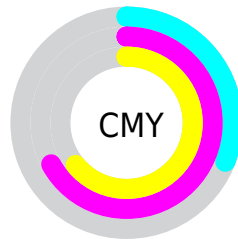
- Red (69%)
- Green (33%)
- Blue (36%)



- Red (69%)
- Yellow (33%)
- Blue (36%)



- Cyan (0%)
- Magenta (53%)
- Yellow (49%)
- Black (31%)





- Cyan (31%)
- Magenta (67%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1130, 16.2890, 11.8234 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 23.1130, 16.2890, 11.8234 by changing the saturation by 10% instead.


 23.1130, 16.2890,
11.8234


 23.1130, 16.2890,
11.8234


260.8294,
231.0411, 214.1689


 14.7981, 9.7289,
6.5025


 48.0441, 37.0992,
29.8326


 8.7632, 5.2196,
3.0793


 65.3910, 52.1181,
43.3580


 4.6429, 2.3767,
1.1352

 86.4794, 70.7253,
60.4553

 2.0719, 0.8138,
0.0000

 111.6744, 93.3054,
81.5430

 0.6739, 0.0000,
0.0000

 141.3416,
120.2425, 107.0396

 0.0000, 0.0000,
0.0000

175.8463,

151.9213, 137.3638

215.5537,
188.7260, 172.9340

■ 23.1130, 16.2890,
11.8234

■ 23.1130, 16.2890,
11.8234

■ 21.3026, 13.6683,
8.1373

■ 25.4207, 19.6631,
16.4193

■ 19.9516, 11.7406,
5.2996

■ 28.2573, 23.8396,
21.9792

■ 19.0187, 10.4410,
3.2427

■ 31.6534, 28.8665,
28.5539

■ 18.4543, 9.6906,
1.8882

■ 35.6370, 34.7871,
36.1906

■ 18.2179, 9.3817,
1.3046

■ 40.2338, 41.6419,
44.9334

■ 45.4685, 49.4690,
54.8238

■ 51.3640, 58.3041,
65.9015

■ 57.9423, 68.1814,
78.2039

■ 65.2243, 79.1334,
91.7670

Harmonies

Analogous

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



23.4876, 16.2890, 21.6743



23.1130, 16.2890, 11.8234



20.5208, 16.2890, 6.3985

Triad

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



23.1130, 16.2890, 11.8234



10.7226, 16.2890, 7.5976



14.2331, 16.2890, 45.8657

Complementary

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



23.1130, 16.2890, 11.8234



26.4518, 36.1481, 43.1218

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.



11.3443, 16.2890, 37.9072



23.1130, 16.2890, 11.8234



9.5402, 16.2890, 14.3062

Square

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



23.1130, 16.2890, 11.8234



13.2500, 16.2890, 4.7096



9.7483, 16.2890, 25.3496



17.9520, 16.2890, 44.3437

Rectangle

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



23.1130, 16.2890, 11.8234



18.0824, 16.2890, 4.7606



9.7483, 16.2890, 25.3496



13.1440, 16.2890, 44.1176

Sweetspot

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



23.1134, 16.2899, 11.8237



61.4470, 58.7642, 60.2708



27.0929, 17.6428, 43.5721



13.0037, 12.2700, 12.4623



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.1134, 16.2899, 11.8237



37.6078, 23.6972, 13.4451



26.4822, 23.5502, 11.3348



8.5247, 8.5166, 8.9957



13.2096, 6.8014, 0.9978



0.4252, 0.2178, 0.0819

Inverse Universe

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



23.1134, 16.2899, 11.8237



37.6078, 23.6972, 13.4451



20.7945, 23.5955, 45.0531



8.5247, 8.5166, 8.9957



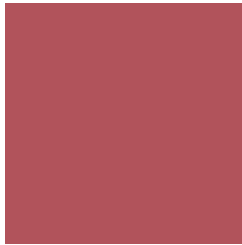
13.2096, 6.8014, 0.9978



0.4252, 0.2178, 0.0819

Previews

White Background



This preview shows how the XYZ color 23.1130, 16.2890, 11.8234 looks on a white background.

Color Contrast Check

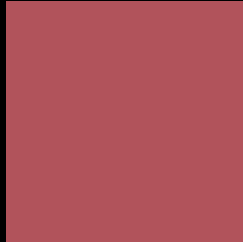
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.1130, 16.2890, 11.8234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

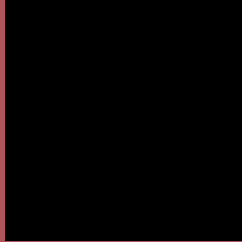
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1130, 16.2890, 11.8234

Background



This preview shows how black text looks on a background with the XYZ color 23.1130, 16.2890, 11.8234.

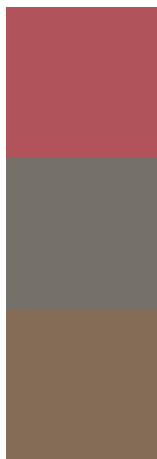


This preview shows how white text looks on a background with the XYZ color 23.1130, 16.2890,

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

23.1130, 16.2890, 11.8234

Protanopia

15.7318, 16.4109, 15.9741

Deuteranopia

16.5986, 16.3188, 11.2918



Tritanopia

23.0279, 16.2549, 11.3750

Trichromacy



Original Color

23.1130, 16.2890, 11.8234

Protanomaly

17.6501, 15.7359, 14.4190

Deuteranomaly

18.4360, 15.9242, 11.3345

Tritanomaly

23.0702, 16.2718, 11.5977

Monochromacy



Original Color

23.1130, 16.2890, 11.8234

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.3057, 15.5411, 15.1843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1130, 16.2890, 11.8234 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(177, 83, 91)` looks like.

```
.text, #text, p{  
    color:rgb(177, 83, 91)  
}
```

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(177, 83, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 83, 91) }
```

Border

The CSS property to change the border of an element to XYZ 23.1130, 16.2890, 11.8234 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(177, 83, 91) }
```


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

```
.border{ border-color:rgb(177, 83, 91) }
```

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

Here you see how a box with a 4 pixel rgb(177, 83, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 83, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 83, 91);  
box-shadow:4px 4px 4px 4px rgb(177, 83,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1130, 16.2890, 11.8234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 83, 91) }
```

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

```
.background{ background-color: rgb(177, 83,  
91) }
```

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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