

Converting Colors

XYZ(23.6554, 11.7032, 10.9300)

Have a look what the booklet for
XYZ(23.6554, 11.7032, 10.9300)
contains.

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Color

**XYZ(23.8806, 12.0928,
10.9730)**

Conversions

Conversions Part 1

Format	Color
Hex	C1005B
RGB	193, 0, 91
RGB Percent	76%, 0%, 36%
CMY	0.2431, 0.9999, 0.6431
CMYK	0.00, 1.00, 0.53, 0.24
HSL	332°, 100%, 38%
HSV	332°, 100%, 76%
XYZ	23.8806, 12.0928, 10.9730
YIQ	68.0810, 85.8170, 69.2170

Conversions

Conversions Part 2

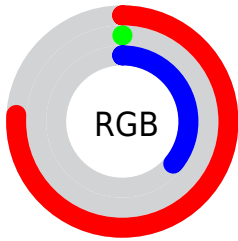
Format	Color
R_YB	193, 0, 91
Decimal	12648539
CIE Lab	41.36, 68.25, 5.83
CIE LCh	41, 68.498, 4.883
Yxy	12.0928, 0.5087, 0.2576
Android (android.graphics.Color)	4290838619 (0xFFC1005B)
YUV	68.0810, 11.2991, 109.5540
Hunter-Lab	34.7747, 61.7244, 5.6336

Details

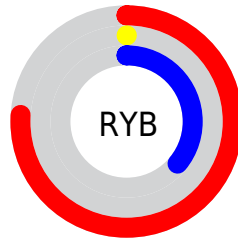
The XYZ color **23.8806, 12.0928, 10.9730** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **21.4704, 39.1000, 18.9954**, and the grayscale version is **5.4835, 5.7690, 6.2825**.

A 20% lighter version of the original color is **49.2962, 29.6801, 28.3299**, and **10.0089, 5.1028, 3.0422** is the 20% darker color. If you saturate the color by 10%, you get **23.8796, 12.0924, 10.9685**, and if you desaturate by 10%, it is **24.5897, 12.7582, 13.5304**.

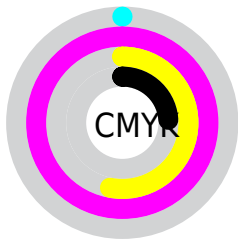
Distribution



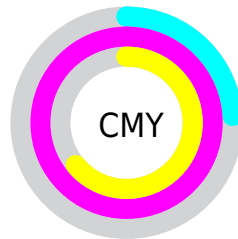
- Red (76%)
- Green (0%)
- Blue (36%)



- Red (76%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8806, 12.0928, 10.9730 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 23.8806, 12.0928, 10.9730 by changing the saturation by 10% instead.


 23.8806, 12.0928,
10.9730


 23.8806, 12.0928,
10.9730


264.6680,
205.0187, 208.2130


 15.3693, 6.8069,
5.9347

 49.2914, 29.6640,
28.2461


 9.1670, 3.3416,
2.7373


 66.9216, 42.7181,
41.3181


 4.9083, 1.3126,
0.9621

 88.3222, 59.1304,
57.9050

 2.2277, 0.1509,
0.0000

 113.8585, 79.2853,
78.4254

 0.7573, 0.0000,
0.0000

 143.8959,
103.5672, 103.2979

 0.0000, 0.0000,
0.0000

 178.7997,

132.3605, 132.9409

218.9352,
166.0495, 167.7731

■ 23.8806, 12.0928,
10.9730

■ 23.8806, 12.0928,
10.9730

■ 23.8796, 12.0924,
10.9685

■ 24.5897, 12.7582,
13.5304

■ 25.5974, 13.9213,
16.4938

■ 26.9905, 15.7526,
19.9026

■ 28.8144, 18.3391,
23.7820

■ 31.1074, 21.7548,
28.1546

■ 33.9037, 26.0646,
33.0408

■ 37.2337, 31.3270,
38.4598

■ 41.1257, 37.5954,
44.4294

■ 45.6057, 44.9193,
50.9668

Harmonies

Analogous

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



22.4940, 12.0928, 28.5280



23.8806, 12.0928, 10.9730



21.2457, 12.0928, 2.9001

Triad

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



23.8806, 12.0928, 10.9730



6.8506, 12.0928, 1.0605



7.8972, 12.0928, 56.7183

Complementary

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



23.8806, 12.0928, 10.9730



21.4704, 39.1000, 18.9954

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.



5.3036, 12.0928, 35.8281



23.8806, 12.0928, 10.9730



4.8328, 12.0928, 4.6338

Square

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



23.8806, 12.0928, 10.9730



10.6998, 12.0928, 0.2144



4.3615, 12.0928, 15.6355



12.3262, 12.0928, 63.5623

Rectangle

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



23.8806, 12.0928, 10.9730



17.9112, 12.0928, 1.0725



4.3615, 12.0928, 15.6355



6.8279, 12.0928, 50.6163

Sweetspot

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



23.8809, 12.0935, 10.9732



66.3715, 55.6049, 68.3846



14.8522, 6.5453, 50.9323



13.6739, 11.0318, 13.7650



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.



23.8809, 12.0935, 10.9732



42.6468, 21.6089, 19.0015



22.0277, 11.4081, 1.0421



10.2664, 10.1552, 11.4934



15.9227, 8.0588, 7.5048



0.7228, 0.3621, 0.5075

Inverse Universe

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



23.8809, 12.0935, 10.9732



42.6468, 21.6089, 19.0015



27.9926, 40.5836, 56.8098



10.2664, 10.1552, 11.4934



15.9227, 8.0588, 7.5048



0.7228, 0.3621, 0.5075

Previews

White Background



This preview shows how the XYZ color 23.8806, 12.0928, 10.9730 looks on a white background.

Color Contrast Check

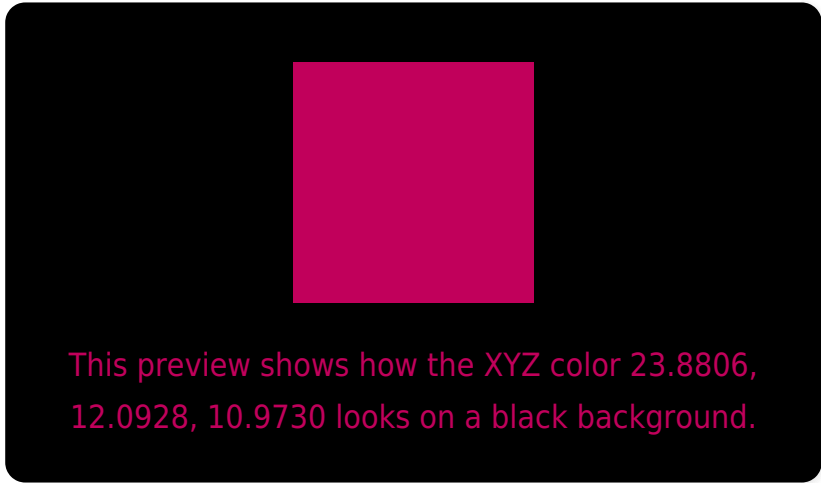
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8806, 12.0928, 10.9730

Background



This preview shows how black text looks on a background with the XYZ color 23.8806, 12.0928, 10.9730.



This preview shows how white text looks on a background with the XYZ color 23.8806, 12.0928,

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

23.8806, 12.0928, 10.9730

Protanopia

12.9411, 12.8138, 23.6210

Deuteranopia

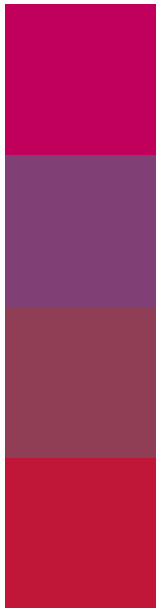
12.9467, 12.7033, 9.9532



Tritanopia

22.4352, 12.4655, 2.8927

Trichromacy



Original Color

23.8806, 12.0928, 10.9730

Protanomaly

13.8905, 9.4286, 17.9174

Deuteranomaly

14.8501, 9.9387, 9.9398

Tritanomaly

22.7584, 12.1048, 4.8783

Monochromacy



Original Color

23.8806, 12.0928, 10.9730

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

8.9784, 5.7603, 7.4761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8806, 12.0928, 10.9730 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, 0, 91)` looks like.

```
.text, #text, p{  
  color:rgb(193, 0, 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(193, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 91) }
```

Border

The CSS property to change the border of an element to XYZ 23.8806, 12.0928, 10.9730 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, 0, 91) }
```


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

```
.border{ border-color:rgb(193, 0, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 0, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.8806, 12.0928, 10.9730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 91) }
```

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

```
.background{ background-color: rgb(193, 0,  
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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