

Converting Colors

XYZ(18.1100, 10.0173, 2.9117)

Have a look what the booklet for
XYZ(18.1100, 10.0173, 2.9117)
contains.

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Color

**XYZ(18.0898, 10.0107,
2.8983)**

Conversions

Conversions Part 1

Format	Color
Hex	AD1F27
RGB	173, 31, 39
RGB Percent	68%, 12%, 15%
CMY	0.3216, 0.8784, 0.8471
CMYK	0.00, 0.82, 0.77, 0.32
HSL	357°, 70%, 40%
HSV	357°, 82%, 68%
XYZ	18.0898, 10.0107, 2.8983
YIQ	74.3700, 82.0640, 32.5920

Conversions

Conversions Part 2

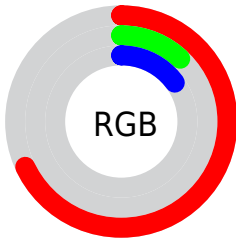
Format	Color
RYB	173, 31, 39
Decimal	11345703
CIELab	37.86, 55.45, 33.15
CIElCh	38, 64.600, 30.873
Yxy	10.0107, 0.5836, 0.3229
Android (android.graphics.Color)	4289535783 (0xFFAD1F27)
YUV	74.3700, -17.4374, 86.4985
Hunter-Lab	31.6397, 46.6868, 16.7166

Details

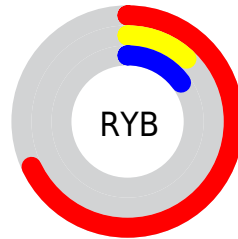
The XYZ color **18.0898, 10.0107, 2.8983** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.3015, 32.8955, 40.7769**, and the grayscale version is **6.5957, 6.9392, 7.5568**.

A 20% lighter version of the original color is **39.6023, 25.7844, 11.2771**, and **6.6821, 3.4447, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **17.5381, 9.2512, 1.6549**, and if you desaturate by 10%, it is **19.0007, 11.3027, 4.8359**.

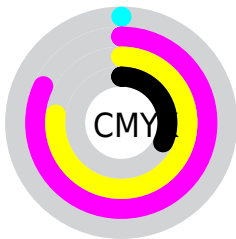
Distribution



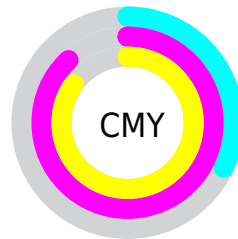
- Red (68%)
- Green (12%)
- Blue (15%)



- Red (68%)
- Yellow (12%)
- Blue (15%)



- Cyan (0%)
- Magenta (82%)
- Yellow (77%)
- Black (32%)





- Cyan (32%)
- Magenta (88%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0898, 10.0107, 2.8983 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 18.0898, 10.0107, 2.8983 by changing the saturation by 10% instead.


 18.0898, 10.0107,
2.8983


 18.0898, 10.0107,
2.8983


234.4125,
190.7484, 135.0546


 11.1146, 5.4061,
1.0429


 39.7192, 25.8156,
11.3764


 6.2118, 2.4874,
0.0000


 55.1040, 37.7847,
18.8363


 3.0162, 0.8703,
0.0000

 74.0227, 52.9774,
29.0014

 1.1623, 0.0000,
0.0000

 96.8407, 71.7780,
42.2903

 0.0763, 0.0000,
0.0000

 123.9234, 94.5710,
59.1215

 0.0000, 0.0000,
0.0000

 155.6360,

121.7409, 79.9136

192.3439,
153.6719, 105.0851

18.0898, 10.0107,
2.8983

18.0898, 10.0107,
2.8983

17.5381, 9.2512,
1.6549

19.0007, 11.3027,
4.8359

17.2868, 8.9055,
1.0873

20.3176, 13.1989,
7.5487

22.0807, 15.7616,
11.1069

24.3254, 19.0451,
15.5727

27.0835, 23.0981,
21.0027

■ 30.3839, 27.9649,
27.4486

■ 34.2535, 33.6866,
34.9585

■ 38.7176, 40.3015,
43.5775

■ 43.7995, 47.8456,
53.3481

Harmonies

Analogous

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



19.8710, 10.0107, 10.5569



18.0898, 10.0107, 2.8983



13.9281, 10.0107, 0.6186

Triad

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



18.0898, 10.0107, 2.8983



4.1264, 10.0107, 3.1538



9.6364, 10.0107, 53.1322

Complementary

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



18.0898, 10.0107, 2.8983



22.3015, 32.8955, 40.7769

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.



6.1488, 10.0107, 45.2911



18.0898, 10.0107, 2.8983



3.5778, 10.0107, 11.2503

Square

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



18.0898, 10.0107, 2.8983



5.9934, 10.0107, 0.6874



4.1962, 10.0107, 27.2347



14.2002, 10.0107, 44.4009

Rectangle

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



18.0898, 10.0107, 2.8983



10.8311, 10.0107, 0.1046



4.1962, 10.0107, 27.2347



8.3098, 10.0107, 52.3161

Sweetspot

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



18.0900, 10.0113, 2.8984



52.3169, 46.9851, 45.0680



23.2469, 11.8408, 40.5952



10.9345, 9.5693, 8.9444



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.0900, 10.0113, 2.8984



31.0134, 16.0487, 1.9877



21.3551, 16.7314, 3.4012



8.0228, 8.0224, 8.4311



12.7070, 6.5454, 0.8367



0.3593, 0.1844, 0.0537

Inverse Universe

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



18.0900, 10.0113, 2.8984



31.0134, 16.0487, 1.9877



13.8443, 14.7808, 41.6582



8.0228, 8.0224, 8.4311



12.7070, 6.5454, 0.8367



0.3593, 0.1844, 0.0537

Previews

White Background



This preview shows how the XYZ color 18.0898, 10.0107, 2.8983 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 18.0898, 10.0107, 2.8983

Background



This preview shows how black text looks on a background with the XYZ color 18.0898, 10.0107, 2.8983.



This preview shows how white text looks on a background with the XYZ color 18.0898, 10.0107,

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

18.0898, 10.0107, 2.8983

Protanopia

9.6005, 10.4203, 5.2467

Deuteranopia

10.3596, 10.2550, 2.5958



Tritanopia

18.0108, 10.0215, 2.3516

Trichromacy



Original Color

18.0898, 10.0107, 2.8983

Protanomaly

11.3080, 8.9222, 4.1438

Deuteranomaly

12.2144, 9.1571, 2.5626

Tritanomaly

18.0535, 10.0386, 2.5762

Monochromacy



Original Color

18.0898, 10.0107, 2.8983

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.7858, 6.6780, 5.2408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0898, 10.0107, 2.8983 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(173, 31, 39)` looks like.

```
.text, #text, p{  
    color:rgb(173, 31, 39)  
}
```

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(173, 31, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 31, 39) }
```

Border

The CSS property to change the border of an element to XYZ 18.0898, 10.0107, 2.8983 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(173, 31, 39) }
```


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

```
.border{ border-color:rgb(173, 31, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 31, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 31, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 31, 39);  
box-shadow:4px 4px 4px 4px rgb(173, 31,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0898, 10.0107, 2.8983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 31, 39) }
```

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

```
.background{ background-color: rgb(173, 31,  
39) }
```

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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