

Converting Colors

XYZ(19.1291, 10.4714, 2.3045)

Have a look what the booklet for
XYZ(19.1291, 10.4714, 2.3045)
contains.

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Color

**XYZ(19.0468, 10.4426,
2.3081)**

Conversions

Conversions Part 1

Format	Color
Hex	B21D1F
RGB	178, 29, 31
RGB Percent	70%, 11%, 12%
CMY	0.3020, 0.8862, 0.8784
CMYK	0.00, 0.84, 0.83, 0.30
HSL	359°, 72%, 41%
HSV	359°, 84%, 70%
XYZ	19.0468, 10.4426, 2.3081
YIQ	73.7790, 88.1620, 32.2100

Conversions

Conversions Part 2

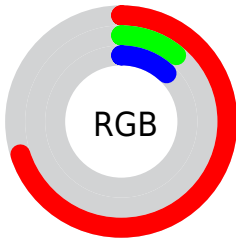
Format	Color
R_{YB}	178, 29, 31
Decimal	11672863
CIE Lab	38.63, 57.14, 38.83
CIE LCh	39, 69.085, 34.199
Yxy	10.4426, 0.5990, 0.3284
Android (android.graphics.Color)	4289862943 (0xFFB21D1F)
YUV	73.7790, -21.0900, 91.4018
Hunter-Lab	32.3150, 48.6585, 18.3857

Details

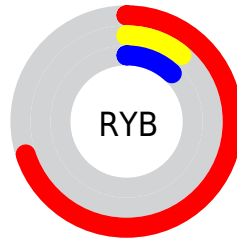
The XYZ color **19.0468, 10.4426, 2.3081** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.2650, 35.2371, 46.6031**, and the grayscale version is **6.4961, 6.8344, 7.4426**.

A 20% lighter version of the original color is **41.2363, 26.5349, 9.7858**, and **7.2025, 3.7130, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **18.5576, 9.7394, 1.2976**, and if you desaturate by 10%, it is **19.9143, 11.7012, 4.0666**.

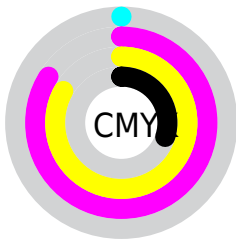
Distribution



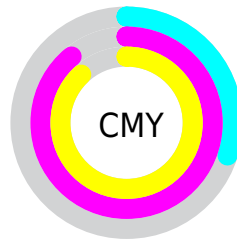
- Red (70%)
- Green (11%)
- Blue (12%)



- Red (70%)
- Yellow (11%)
- Blue (12%)



- Cyan (0%)
- Magenta (84%)
- Yellow (83%)
- Black (30%)





- Cyan (30%)
- Magenta (89%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0468, 10.4426, 2.3081 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 19.0468, 10.4426, 2.3081 by changing the saturation by 10% instead.


 19.0468, 10.4426,
2.3081


 19.0468, 10.4426,
2.3081


239.6402,
193.8025, 126.9911

 11.8083, 5.6934,
0.7358


 41.3294, 26.6247,
9.8672


 6.6846, 2.6596,
0.0000


 57.1043, 38.8264,
16.7086


 3.3102, 0.9567,
0.0000

 76.4553, 54.2811,
26.1493

 1.3198, 0.0000,
0.0000

 99.7478, 73.3731,
38.6078

 0.1980, 0.0000,
0.0000

 127.3472, 96.4868,
54.5028

 0.0000, 0.0000,
0.0000

 159.6188,

124.0067, 74.2526

196.9280,
156.3171, 98.2759

19.0468, 10.4426,
2.3081

19.0468, 10.4426,
2.3081

18.5576, 9.7394,
1.2976

19.9143, 11.7012,
4.0666

18.3730, 9.4701,
0.9277

21.2153, 13.5961,
6.6799

22.9966, 16.1973,
10.2380

25.2989, 19.5647,
14.8195

28.1586, 23.7523,
20.4946

■ 31.6086, 28.8090,
27.3276

■ 35.6795, 34.7797,
35.3776

■ 40.3996, 41.7065,
44.6998

■ 45.7957, 49.6287,
55.3459

Harmonies

Analogous

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



21.4369, 10.4426, 9.6348



19.0468, 10.4426, 2.3081



14.2343, 10.4426, 0.3075

Triad

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



19.0468, 10.4426, 2.3081



3.9545, 10.4426, 3.5868



10.5789, 10.4426, 59.0309

Complementary

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



19.0468, 10.4426, 2.3081



24.2650, 35.2371, 46.6031

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.



6.5877, 10.4426, 52.0485



19.0468, 10.4426, 2.3081



3.5132, 10.4426, 13.3024

Square

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



19.0468, 10.4426, 2.3081



5.7801, 10.4426, 0.6611



4.3111, 10.4426, 32.0289



15.6903, 10.4426, 47.1593

Rectangle

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



19.0468, 10.4426, 2.3081



10.8349, 10.4426, 0.0000



4.3111, 10.4426, 32.0289



9.0683, 10.4426, 58.8482

Sweetspot

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



19.0470, 10.4432, 2.3082



56.1576, 50.5385, 47.2555



26.2709, 13.2676, 43.2955



11.9472, 10.4720, 9.4903



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.0470, 10.4432, 2.3082



33.3119, 17.1710, 1.6475



23.2379, 18.8656, 3.5799



8.5008, 8.5070, 8.8697



13.1481, 6.7768, 0.6737



0.4152, 0.2138, 0.0292

Inverse Universe

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



19.0470, 10.4432, 2.3082



33.3119, 17.1710, 1.6475



13.6959, 13.7817, 44.0575



8.5008, 8.5070, 8.8697



13.1481, 6.7768, 0.6737



0.4152, 0.2138, 0.0292

Previews

White Background



This preview shows how the XYZ color 19.0468, 10.4426, 2.3081 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 19.0468, 10.4426, 2.3081

Background



This preview shows how black text looks on a background with the XYZ color 19.0468, 10.4426, 2.3081.



This preview shows how white text looks on a background with the XYZ color 19.0468, 10.4426,

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

19.0468, 10.4426, 2.3081

Protanopia

9.9069, 10.8587, 4.2631

Deuteranopia

10.9121, 10.7958, 1.9606



Tritanopia

19.0091, 10.4275, 2.1094

Trichromacy



Original Color

19.0468, 10.4426, 2.3081

Protanomaly

11.7963, 9.2862, 3.2685

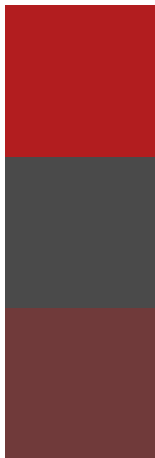
Deuteranomaly

12.7900, 9.5574, 1.8801

Tritanomaly

19.0212, 10.4324, 2.1735

Monochromacy



Original Color

19.0468, 10.4426, 2.3081

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.9589, 6.7763, 4.8388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0468, 10.4426, 2.3081 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(178, 29, 31)` looks like.

```
.text, #text, p{  
    color:rgb(178, 29, 31)  
}
```

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(178, 29, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 29, 31) }
```

Border

The CSS property to change the border of an element to XYZ 19.0468, 10.4426, 2.3081 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(178, 29, 31) }
```


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

```
.border{ border-color:rgb(178, 29, 31) }
```

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

Here you see how a box with a 4 pixel rgb(178, 29, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 29, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 29, 31);  
box-shadow:4px 4px 4px 4px rgb(178, 29,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0468, 10.4426, 2.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 29, 31) }
```

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

```
.background{ background-color: rgb(178, 29,  
31) }
```

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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