

Converting Colors

XYZ(18.9292, 9.4105, 2.2840)

Have a look what the booklet for
XYZ(18.9292, 9.4105, 2.2840)
contains.

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Color

**XYZ(19.0969, 9.8131,
2.3264)**

Conversions

Conversions Part 1

Format	Color
Hex	B40021
RGB	180, 0, 33
RGB Percent	71%, 0%, 13%
CMY	0.2941, 0.9999, 0.8706
CMYK	0.00, 1.00, 0.82, 0.29
HSL	349°, 100%, 35%
HSV	349°, 100%, 71%
XYZ	19.0969, 9.8131, 2.3264
YIQ	57.5820, 96.6870, 48.4230

Conversions

Conversions Part 2

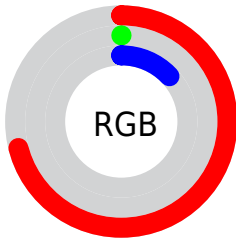
Format	Color
RYB	180, 0, 33
Decimal	11796513
CIELab	37.50, 62.23, 36.75
CIElCh	38, 72.268, 30.568
Yxy	9.8131, 0.6114, 0.3142
Android (android.graphics.Color)	4289986593 (0xFFB40021)
YUV	57.5820, -12.1189, 107.3606
Hunter-Lab	31.3259, 53.9970, 17.5250

Details

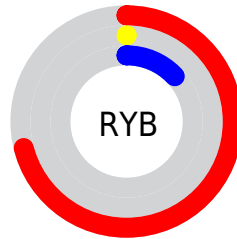
The XYZ color **19.0969, 9.8131, 2.3264** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.5905, 34.7501, 33.1863**, and the grayscale version is **3.9748, 4.1818, 4.5540**.

A 20% lighter version of the original color is **41.5520, 25.5205, 9.9436**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.0964, 9.8129, 2.3245**, and if you desaturate by 10%, it is **19.5665, 10.3478, 3.7303**.

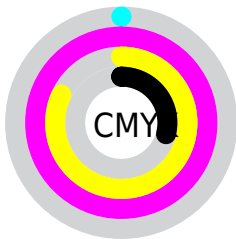
Distribution



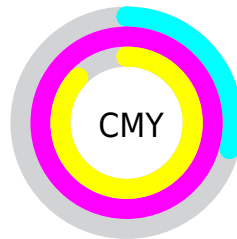
- Red (71%)
- Green (0%)
- Blue (13%)



- Red (71%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0969, 9.8131, 2.3264 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 19.0969, 9.8131, 2.3264 by changing the saturation by 10% instead.


 19.0969, 9.8131,
2.3264


 19.0969, 9.8131,
2.3264


239.9110,
189.3329, 127.2554

 11.8447, 5.2752,
0.7460


 41.4134, 25.4434,
9.9154


 6.7095, 2.4096,
0.0000


 57.2084, 37.3045,
16.7770


 3.3258, 0.8308,
0.0000

 76.5818, 52.3756,
26.2415

 1.3283, 0.0000,
0.0000

 99.8988, 71.0409,
38.7273


 0.2043, 0.0000,
0.0000


 127.5249, 93.6849,
54.6531


 0.0000, 0.0000,
0.0000

 159.8254,


120.6920, 74.4374


 197.1657,
152.4465, 98.4986


 19.0969, 9.8131,
2.3264


 19.0969, 9.8131,
2.3264


 19.0964, 9.8129,
2.3245

 19.5665, 10.3478,
3.7303

 20.3348, 11.3192,
5.7290

 21.4863, 12.8819,
8.3951

 23.0651, 15.1115,
11.7829

 25.1094, 18.0722,
15.9407

■ 27.6526, 21.8208,
20.9128

■ 30.7252, 26.4083,
26.7399

■ 34.3554, 31.8814,
33.4598

■ 38.5691, 38.2834,
41.1083

Harmonies

Analogous

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



21.1291, 9.8131, 10.4379



19.0969, 9.8131, 2.3264



14.3332, 9.8131, 0.1204

Triad

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



19.0969, 9.8131, 2.3264



3.5851, 9.8131, 2.4859



9.4142, 9.8131, 60.6016

Complementary

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



19.0969, 9.8131, 2.3264



21.5905, 34.7501, 33.1863

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.



5.6478, 9.8131, 50.8710



19.0969, 9.8131, 2.3264



3.0197, 9.8131, 10.9355

Square

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



19.0969, 9.8131, 2.3264



5.5408, 9.8131, 0.1705



3.6312, 9.8131, 29.2188



14.5345, 9.8131, 50.1701

Rectangle

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



19.0969, 9.8131, 2.3264



10.8391, 9.8131, 0.0000



3.6312, 9.8131, 29.2188



7.9626, 9.8131, 59.5321

Sweetspot

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



19.0971, 9.8137, 2.3265



55.3909, 47.4027, 47.8841



20.2721, 9.4995, 43.9448



11.4514, 9.4662, 9.3683



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.



19.0971, 9.8137, 2.3265



34.5646, 17.7684, 3.8910



20.2866, 12.6317, 1.3699



8.5578, 8.5299, 9.1700



13.3468, 6.8563, 1.7203



0.4389, 0.2233, 0.1541

Inverse Universe

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



19.0971, 9.8137, 2.3265



34.5646, 17.7684, 3.8910



15.3227, 17.4638, 45.7430



8.5578, 8.5299, 9.1700



13.3468, 6.8563, 1.7203



0.4389, 0.2233, 0.1541

Previews

White Background



This preview shows how the XYZ color 19.0969, 9.8131, 2.3264 looks on a white background.

Color Contrast Check

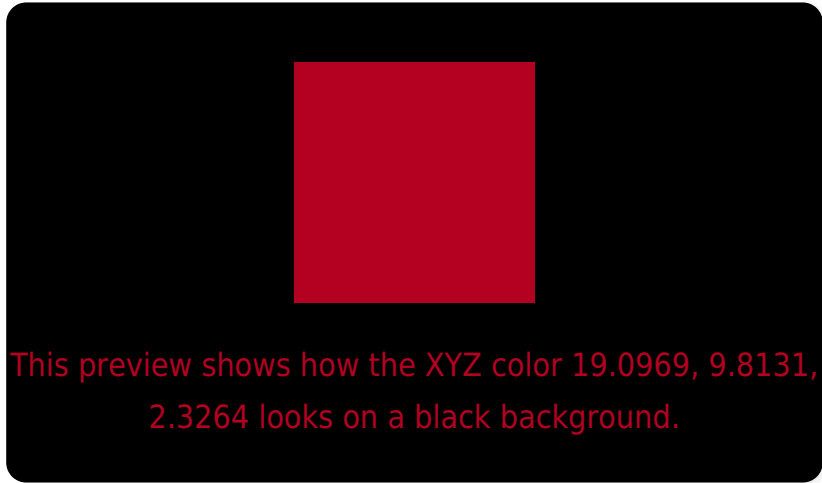
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.0969, 9.8131, 2.3264

Background



This preview shows how black text looks on a background with the XYZ color 19.0969, 9.8131, 2.3264.



This preview shows how white text looks on a background with the XYZ color 19.0969, 9.8131,

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

19.0969, 9.8131, 2.3264

Protanopia

9.6164, 10.4394, 4.7570

Deuteranopia

10.4992, 10.3409, 1.9729



Tritanopia

18.7757, 9.9543, 0.9318

Trichromacy



Original Color

19.0969, 9.8131, 2.3264

Protanomaly

11.0400, 7.8827, 3.4223

Deuteranomaly

12.1683, 8.2832, 1.7681

Tritanomaly

18.7653, 9.8273, 1.2556

Monochromacy



Original Color

19.0969, 9.8131, 2.3264

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.6954, 4.3697, 3.3963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0969, 9.8131, 2.3264 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(180, 0, 33)` looks like.

```
.text, #text, p{  
  color:rgb(180, 0, 33)  
}
```

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(180, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 19.0969, 9.8131, 2.3264 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(180, 0, 33) }
```


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

```
.border{ border-color:rgb(180, 0, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 0, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(180, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.0969, 9.8131, 2.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 33) }
```

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

```
.background{ background-color: rgb(180, 0,  
33) }
```

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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