

Converting Colors

XYZ(19.0697, 10.0150, 2.3543)

Have a look what the booklet for
XYZ(19.0697, 10.0150, 2.3543)
contains.

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Color

**XYZ(19.0088, 9.9814,
2.3636)**

Conversions

Conversions Part 1

Format	Color
Hex	B30D21
RGB	179, 13, 33
RGB Percent	70%, 5%, 13%
CMY	0.2980, 0.9489, 0.8706
CMYK	0.00, 0.93, 0.82, 0.30
HSL	353°, 86%, 38%
HSV	353°, 93%, 70%
XYZ	19.0088, 9.9814, 2.3636
YIQ	64.9140, 92.5160, 41.4120

Conversions

Conversions Part 2

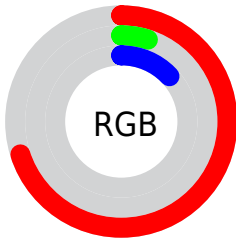
Format	Color
R_{YB}	179, 13, 33
Decimal	11734305
CIE _{Lab}	37.81, 60.46, 36.98
CIE _{LCh}	38, 70.877, 31.452
Yxy	9.9814, 0.6063, 0.3183
Android (android.graphics.Color)	4289924385 (0xFFB30D21)
YUV	64.9140, -15.7336, 100.0534
Hunter-Lab	31.5934, 52.1099, 17.6797

Details

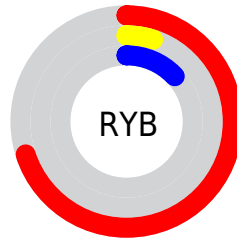
The XYZ color **19.0088, 9.9814, 2.3636** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.5469, 34.8298, 38.3486**, and the grayscale version is **5.0271, 5.2889, 5.7597**.

A 20% lighter version of the original color is **41.0864, 25.6138, 9.9862**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **18.7306, 9.6397, 1.6093**, and if you desaturate by 10%, it is **19.6274, 10.7796, 3.9240**.

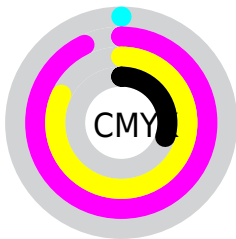
Distribution



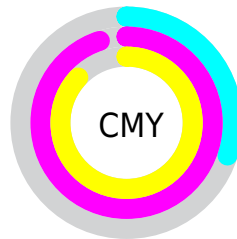
- Red (70%)
- Green (5%)
- Blue (13%)



- Red (70%)
- Yellow (5%)
- Blue (13%)



- Cyan (0%)
- Magenta (93%)
- Yellow (82%)
- Black (30%)





- Cyan (30%)
- Magenta (95%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0088, 9.9814, 2.3636 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 19.0088, 9.9814, 2.3636 by changing the saturation by 10% instead.

 19.0088, 9.9814,
2.3636


 19.0088, 9.9814,
2.3636


239.4345,
190.5393, 127.7893


 11.7807, 5.3866,
0.7665


 41.2657, 25.7605,
10.0129


 6.6657, 2.4758,
0.0000


 57.0252, 37.7136,
16.9155


 3.2984, 0.8645,
0.0000

 76.3593, 52.8883,
26.4280

 1.3134, 0.0000,
0.0000

 99.6332, 71.6690,
38.9691

 0.1932, 0.0000,
0.0000


 127.2123, 94.4400,
54.9572


 0.0000, 0.0000,
0.0000

 159.4620,


121.5858, 74.8109


 196.7476,
153.4908, 98.9488


 19.0088, 9.9814,
2.3636

 19.0088, 9.9814,
2.3636


 18.7306, 9.6397,
1.6093

 19.6274, 10.7796,
3.9240

 20.6209, 12.1419,
6.1811

 22.0382, 14.1487,
9.2052

 23.9203, 16.8668,
13.0576

 26.3035, 20.3548,
17.7934

■ 29.2205, 24.6650,
23.4629

■ 32.7010, 29.8454,
30.1127

■ 36.7726, 35.9399,
37.7861

■ 41.4613, 42.9899,
46.5239

Harmonies

Analogous

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



21.1082, 9.9814, 10.2489



19.0088, 9.9814, 2.3636



14.2800, 9.9814, 0.2047

Triad

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



19.0088, 9.9814, 2.3636



3.7144, 9.9814, 2.7815



9.7092, 9.9814, 59.6273

Complementary

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



19.0088, 9.9814, 2.3636



22.5469, 34.8298, 38.3486

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.



5.9081, 9.9814, 50.7165



19.0088, 9.9814, 2.3636



3.1781, 9.9814, 11.5116

Square

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



19.0088, 9.9814, 2.3636



5.6340, 9.9814, 0.3303



3.8336, 9.9814, 29.7345



14.7873, 9.9814, 48.9739

Rectangle

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



19.0088, 9.9814, 2.3636



10.8393, 9.9814, 0.0000



3.8336, 9.9814, 29.7345



8.2521, 9.9814, 58.7954

Sweetspot

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



19.0090, 9.9820, 2.3637



54.8550, 47.9204, 46.8612



22.1602, 10.6983, 43.5443



11.5910, 9.7817, 9.3031



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.



19.0090, 9.9820, 2.3637



33.5036, 17.2476, 2.6570



21.1042, 14.4950, 2.0673



8.5366, 8.5214, 9.0581



13.2494, 6.8173, 1.2075



0.4302, 0.2198, 0.1079

Inverse Universe

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



19.0090, 9.9820, 2.3637



33.5036, 17.2476, 2.6570



14.7984, 16.3312, 45.0196



8.5366, 8.5214, 9.0581



13.2494, 6.8173, 1.2075



0.4302, 0.2198, 0.1079

Previews

White Background



This preview shows how the XYZ color 19.0088, 9.9814, 2.3636 looks on a white background.

Color Contrast Check

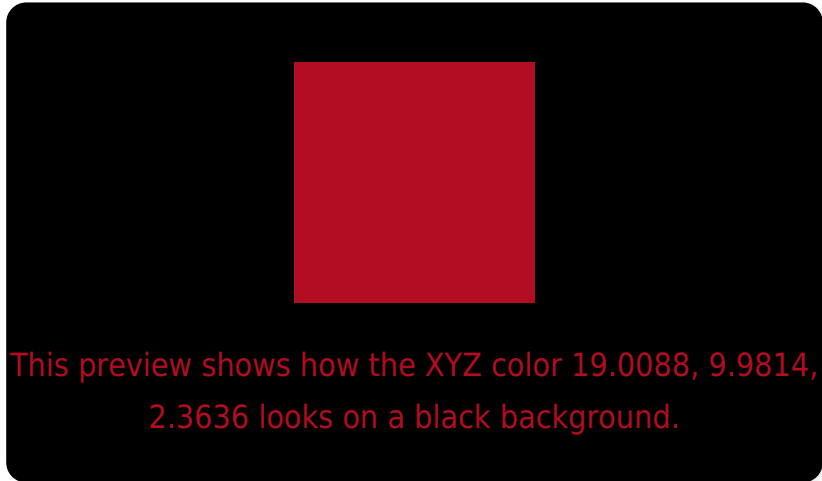
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 19.0088, 9.9814, 2.3636

Background



This preview shows how black text looks on a background with the XYZ color 19.0088, 9.9814, 2.3636.



This preview shows how white text looks on a background with the XYZ color 19.0088, 9.9814,

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

19.0088, 9.9814, 2.3636

Protanopia

9.5942, 10.4305, 4.6396

Deuteranopia

10.5072, 10.3441, 2.0151



Tritanopia

18.8671, 10.0405, 1.2602

Trichromacy



Original Color

19.0088, 9.9814, 2.3636

Protanomaly

11.2854, 8.4040, 3.4102

Deuteranomaly

12.1999, 8.5931, 1.8262

Tritanomaly

18.8932, 10.0013, 1.5508

Monochromacy



Original Color

19.0088, 9.9814, 2.3636

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

7.5635, 5.2752, 3.9877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0088, 9.9814, 2.3636 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(179, 13, 33)` looks like.

```
.text, #text, p{  
    color:rgb(179, 13, 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(179, 13, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 13, 33) }
```

Border

The CSS property to change the border of an element to XYZ 19.0088, 9.9814, 2.3636 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(179, 13, 33) }
```


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

```
.border{ border-color:rgb(179, 13, 33) }
```

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

Here you see how a box with a 4 pixel rgb(179, 13, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 13, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 13, 33);  
box-shadow:4px 4px 4px 4px rgb(179, 13,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0088, 9.9814, 2.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 13, 33) }
```

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

```
.background{ background-color: rgb(179, 13,  
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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