

Converting Colors

XYZ(19.0214, 9.7834, 1.9242)

Have a look what the booklet for
XYZ(19.0214, 9.7834, 1.9242)
contains.

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Color

**XYZ(19.0202, 9.7824,
1.9226)**

Conversions

Conversions Part 1

Format	Color
Hex	B4001B
RGB	180, 0, 27
RGB Percent	71%, 0%, 11%
CMY	0.2941, 0.9999, 0.8941
CMYK	0.00, 1.00, 0.85, 0.29
HSL	351°, 100%, 35%
HSV	351°, 100%, 71%
XYZ	19.0202, 9.7824, 1.9226
YIQ	56.8980, 98.6130, 46.5570

Conversions

Conversions Part 2

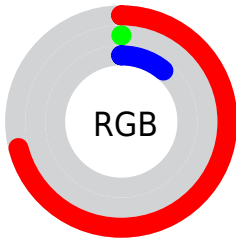
Format	Color
RYB	180, 0, 27
Decimal	11796507
CIELab	37.45, 62.07, 40.07
CIELCh	37, 73.885, 32.845
Yxy	9.7824, 0.6190, 0.3184
Android (android.graphics.Color)	4289986587 (0xFFB4001B)
YUV	56.8980, -14.7397, 107.9605
Hunter-Lab	31.2768, 53.8157, 18.2492

Details

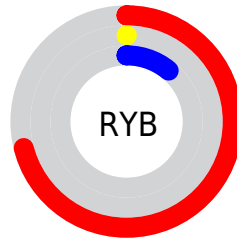
The XYZ color **19.0202, 9.7824, 1.9226** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.0738, 34.9434, 35.7315**, and the grayscale version is **3.8874, 4.0899, 4.4539**.

A 20% lighter version of the original color is **41.3466, 25.4383, 8.8618**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **19.0198, 9.7822, 1.9210**, and if you desaturate by 10%, it is **19.4624, 10.3062, 3.1825**.

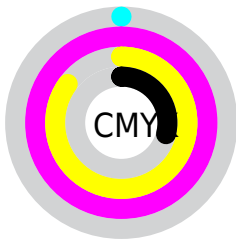
Distribution



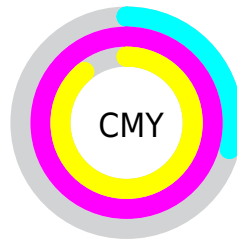
- Red (71%)
- Green (0%)
- Blue (11%)



- Red (71%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.0202, 9.7824, 1.9226 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 19.0202, 9.7824, 1.9226 by changing the saturation by 10% instead.


 19.0202, 9.7824,
1.9226


 19.0202, 9.7824,
1.9226


239.4962,
189.1119, 121.1631


 11.7890, 5.2549,
0.5071


 41.2848, 25.3854,
8.8281


 6.6713, 2.3976,
0.0000


 57.0490, 37.2297,
15.2236

 3.3019, 0.8247,
0.0000


 76.3881, 52.2818,
24.1390

 1.3154, 0.0000,
0.0000

 99.6676, 70.9260,
35.9928


 0.1947, 0.0000,
0.0000


 127.2528, 93.5467,
51.2036


 0.0000, 0.0000,
0.0000


 159.5090,


120.5283, 70.1898


 196.8017,
152.2552, 93.3702


 19.0202, 9.7824,
1.9226


 19.0202, 9.7824,
1.9226

 19.0198, 9.7822,
1.9210

 19.4624, 10.3062,
3.1825

 20.2078, 11.2683,
5.0604

 21.3424, 12.8242,
7.6377

 22.9118, 15.0500,
10.9756

 24.9550, 18.0103,
15.1284

■ 27.5067, 21.7623,
20.1455

■ 30.5983, 26.3573,
26.0722

■ 34.2586, 31.8424,
32.9507

■ 38.5143, 38.2612,
40.8206

Harmonies

Analogous

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



21.3998, 9.7824, 9.4295



19.0202, 9.7824, 1.9226



14.0073, 9.7824, 0.0000

Triad

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



19.0202, 9.7824, 1.9226



3.3936, 9.7824, 2.7155



9.7491, 9.7824, 62.1986

Complementary

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



19.0202, 9.7824, 1.9226



22.0738, 34.9434, 35.7315

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.



5.7836, 9.7824, 53.5763



19.0202, 9.7824, 1.9226



2.9196, 9.7824, 11.9744

Square

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



19.0202, 9.7824, 1.9226



5.2410, 9.7824, 0.1744



3.6254, 9.7824, 31.4650



15.0426, 9.7824, 49.9287

Rectangle

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



19.0202, 9.7824, 1.9226



10.4571, 9.7824, 0.0000



3.6254, 9.7824, 31.4650



8.2276, 9.7824, 61.6557

Sweetspot

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



19.0204, 9.7830, 1.9227



55.1588, 47.3099, 46.6619



21.3761, 10.0686, 43.9965



11.3977, 9.4448, 9.0858



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.



19.0204, 9.7830, 1.9227



34.4347, 17.7164, 3.2070



20.6010, 13.2605, 1.4746



8.5465, 8.5253, 9.1106



13.2908, 6.8339, 1.4254



0.4343, 0.2215, 0.1296

Inverse Universe

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



19.0204, 9.7830, 1.9227



34.4347, 17.7164, 3.2070



14.6011, 16.0205, 45.5024



8.5465, 8.5253, 9.1106



13.2908, 6.8339, 1.4254



0.4343, 0.2215, 0.1296

Previews

White Background



This preview shows how the XYZ color 19.0202, 9.7824, 1.9226 looks on a white background.

Color Contrast Check

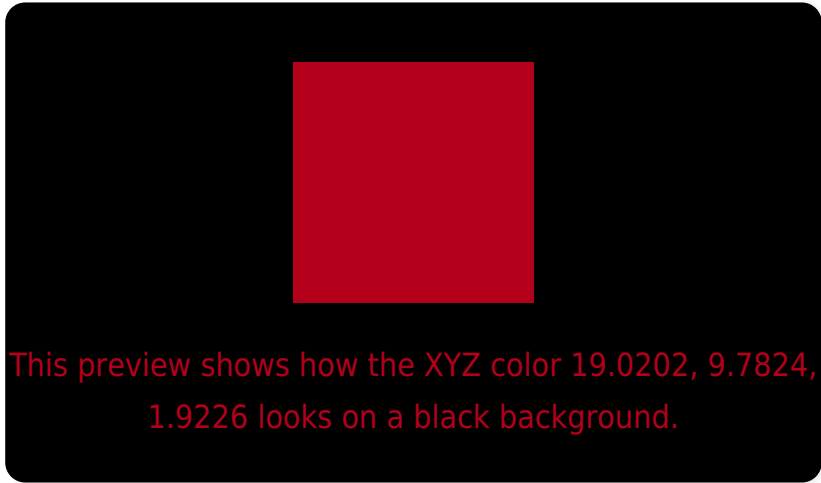
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0202, 9.7824, 1.9226

Background



This preview shows how black text looks on a background with the XYZ color 19.0202, 9.7824, 1.9226.



This preview shows how white text looks on a background with the XYZ color 19.0202, 9.7824,

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

19.0202, 9.7824, 1.9226

Protanopia

9.5625, 10.4307, 3.8922

Deuteranopia

10.3980, 10.3004, 1.4401



Tritanopia

18.7757, 9.9543, 0.9318

Trichromacy



Original Color

19.0202, 9.7824, 1.9226

Protanomaly

11.0688, 7.9119, 2.7775

Deuteranomaly

12.0684, 8.2433, 1.2422

Tritanomaly

18.7537, 9.8227, 1.1947

Monochromacy



Original Color

19.0202, 9.7824, 1.9226

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.6035, 4.2838, 3.0636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0202, 9.7824, 1.9226 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(180, 0, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 27) }
```

Border

The CSS property to change the border of an element to XYZ 19.0202, 9.7824, 1.9226 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, 27) }
```


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

```
.border{ border-color:rgb(180, 0, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(180, 0, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.0202, 9.7824, 1.9226 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, 27) }
```

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

```
.background{ background-color: rgb(180, 0,  
27) }
```

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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