

Converting Colors

XYZ(19.1407, 9.9756, 0.9167)

Have a look what the booklet for
XYZ(19.1407, 9.9756, 0.9167)
contains.

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Color

**XYZ(19.1320, 9.9757,
0.9171)**

Conversions

Conversions Part 1

Format	Color
Hex	B50700
RGB	181, 7, 0
RGB Percent	71%, 3%, 0%
CMY	0.2902, 0.9724, 1.0000
CMYK	0.00, 0.96, 1.00, 0.29
HSL	2°, 100%, 35%
HSV	2°, 100%, 71%
XYZ	19.1320, 9.9757, 0.9171
YIQ	58.2280, 105.9510, 34.7110

Conversions

Conversions Part 2

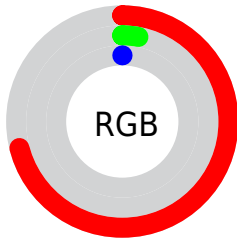
Format	Color
RYB	181, 7, 0
Decimal	11863808
CIELab	37.80, 61.14, 52.05
CIElCh	38, 80.295, 40.411
Yxy	9.9757, 0.6372, 0.3322
Android (android.graphics.Color)	4290053888 (0xFFB50700)
YUV	58.2280, -28.7064, 107.6710
Hunter-Lab	31.5843, 52.8526, 20.3875

Details

The XYZ color **19.1320, 9.9757, 0.9171** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **23.4699, 33.5951, 48.9631**, and the grayscale version is **4.0822, 4.2948, 4.6770**.

A 20% lighter version of the original color is **41.5991, 25.8577, 5.8161**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.1322, 9.9763, 0.9172**, and if you desaturate by 10%, it is **19.5014, 10.5388, 1.5829**.

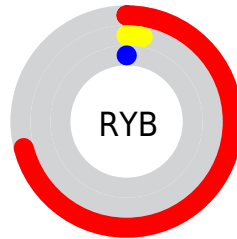
Distribution



Red (71%)

Green (3%)

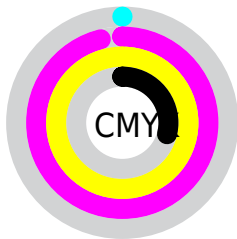
Blue (0%)



Red (71%)

Yellow (3%)

Blue (0%)

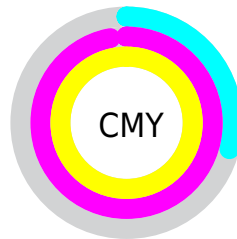


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (97%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1320, 9.9757, 0.9171 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 19.1320, 9.9757, 0.9171 by changing the saturation by 10% instead.


 19.1320, 9.9757,
0.9171


 19.1320, 9.9757,
0.9171


 240.1007,
190.4985, 102.2859


 11.8703, 5.3828,
0.0000


 41.4722, 25.7498,
5.7848

 6.7270, 2.4736,
0.0000


 57.2813, 37.6998,
10.7468


 3.3367, 0.8634,
0.0000

 76.6703, 52.8710,
17.9526

 1.3342, 0.0000,
0.0000

 100.0046, 71.6478,
27.8205


 0.2086, 0.0000,
0.0000


 127.6494, 94.4145,
40.7693


 0.0000, 0.0000,
0.0000


 159.9701,


121.5557, 57.2174


 197.3320,
153.4555, 77.5835


 19.1320, 9.9757,
0.9171


 19.1320, 9.9757,
0.9171


 19.1322, 9.9763,
0.9172

 19.5014, 10.5388,
1.5829

 20.1992, 11.5959,
2.8587

 21.3042, 13.2437,
4.9605

 22.8660, 15.5515,
7.9960

 24.9268, 18.5787,
12.0570

■ 27.5243, 22.3784,
17.2240

■ 30.6923, 26.9985,
23.5697

■ 34.4619, 32.4832,
31.1606

■ 38.8622, 38.8733,
40.0581

Harmonies

Analogous

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



22.8424, 9.9757, 6.5203



19.1320, 9.9757, 0.9171



13.1820, 9.9757, 0.0000

Triad

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



19.1320, 9.9757, 0.9171



2.9002, 9.9757, 3.8838



11.3752, 9.9757, 68.9297

Complementary

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



19.1320, 9.9757, 0.9171



23.4699, 33.5951, 48.9631

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.



6.5479, 9.9757, 65.0024



19.1320, 9.9757, 0.9171



2.7190, 9.9757, 16.7982

Square

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



19.1320, 9.9757, 0.9171



4.4226, 9.9757, 0.2819



3.7856, 9.9757, 41.3293



17.4071, 9.9757, 49.6064

Rectangle

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



19.1320, 9.9757, 0.9171



9.4111, 9.9757, 0.0000



3.7856, 9.9757, 41.3293



9.5524, 9.9757, 70.5312

Sweetspot

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



19.1322, 9.9763, 0.9172



54.6602, 47.9034, 41.5916



26.7904, 12.9175, 41.6212



11.2828, 9.5794, 7.9239



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.



19.1322, 9.9763, 0.9172



34.2280, 17.7921, 1.6302



23.2875, 18.2870, 2.3024



8.5220, 8.5564, 8.8549



13.2014, 6.9014, 0.6363



0.4241, 0.2346, 0.0229

Inverse Universe

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



23.4699, 33.5951, 48.9631



41.9938, 60.0874, 87.6793



11.5470, 9.7494, 44.9889



8.7138, 9.5738, 10.8950



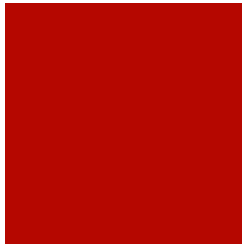
16.1920, 23.1843, 33.7586



0.5181, 0.7468, 1.0651

Previews

White Background



This preview shows how the XYZ color 19.1320, 9.9757, 0.9171 looks on a white background.

Color Contrast Check

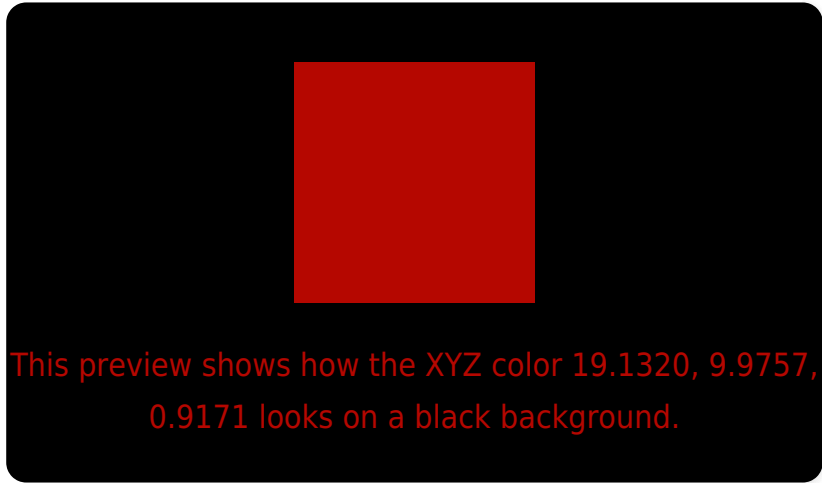
Large Text (above 18pt) WCAG AA ✓ Pass

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

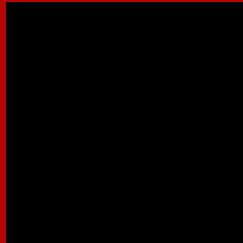
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1320, 9.9757, 0.9171

Background



This preview shows how black text looks on a background with the XYZ color 19.1320, 9.9757, 0.9171.



This preview shows how white text looks on a background with the XYZ color 19.1320, 9.9757,

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

19.1320, 9.9757, 0.9171

Protanopia

9.5753, 10.5997, 2.3519

Deuteranopia

10.4784, 10.4612, 1.4669

Trichromacy



Original Color

19.1320, 9.9757, 0.9171

Protanomaly

11.1150, 8.1973, 1.4483

Deuteranomaly

12.1605, 8.5151, 1.0026

Monochromacy



Original Color

19.1320, 9.9757, 0.9171

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.6530, 4.4682, 2.2621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1320, 9.9757, 0.9171 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(181, 7, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 7, 0)  
}
```

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(181, 7, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 7, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.1320, 9.9757, 0.9171 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(181, 7, 0) }
```

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

```
.border{ border-color:rgb(181, 7, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 7, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 7, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(181, 7, 0); box-shadow:4px  
4px 4px 4px rgb(181, 7, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 19.1320, 9.9757, 0.9171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 7, 0) }
```

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

```
.background{ background-color: rgb(181, 7,  
0) }
```

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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