

Converting Colors

XYZ(19.3327, 10.2164, 1.4168)

Have a look what the booklet for
XYZ(19.3327, 10.2164, 1.4168)
contains.

XYZ(19.3131, 10.1999, 1.4028)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.3131, 10.1999,
1.4028)**

Conversions

Conversions Part 1

Format	Color
Hex	B50F0F
RGB	181, 15, 15
RGB Percent	71%, 6%, 6%
CMY	0.2902, 0.9411, 0.9412
CMYK	0.00, 0.92, 0.92, 0.29
HSL	0°, 85%, 38%
HSV	0°, 92%, 71%
XYZ	19.3131, 10.1999, 1.4028
YIQ	64.6340, 98.9360, 35.1920

Conversions

Conversions Part 2

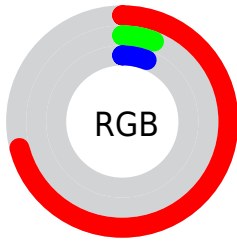
Format	Color
R_{YB}	181, 15, 15
Decimal	11865871
CIE Lab	38.20, 60.34, 46.56
CIE LCh	38, 76.211, 37.657
Yxy	10.1999, 0.6247, 0.3299
Android (android.graphics.Color)	4290055951 (0xFFB50F0F)
YUV	64.6340, -24.4696, 102.0530
Hunter-Lab	31.9373, 52.0522, 19.7519

Details

The XYZ color **19.3131, 10.1999, 1.4028** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **25.0560, 36.4748, 49.4355**, and the grayscale version is **4.9963, 5.2565, 5.7243**.

A 20% lighter version of the original color is **41.6688, 26.0900, 7.2546**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.0562, 9.8243, 0.8919**, and if you desaturate by 10%, it is **19.8791, 11.0286, 2.5272**.

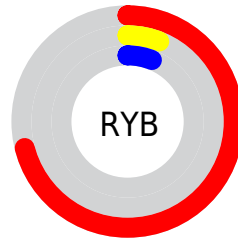
Distribution



Red (71%)

Green (6%)

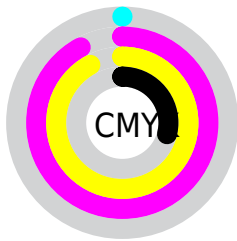
Blue (6%)



Red (71%)

Yellow (6%)

Blue (6%)

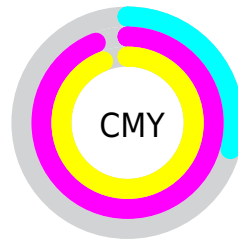


Cyan (0%)

Magenta (92%)

Yellow (92%)

Black (29%)



Cyan (29%)


Magenta (94%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3131, 10.1999, 1.4028 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 19.3131, 10.1999, 1.4028 by changing the saturation by 10% instead.


 19.3131, 10.1999,
1.4028


 19.3131, 10.1999,
1.4028


 241.0769,
192.0929, 112.2794


 12.0021, 5.5317,
0.1439


 41.7753, 26.1708,
7.3323

 6.8173, 2.5625,
0.0000


 57.6572, 38.2423,
13.0507


 3.3934, 0.9078,
0.0000

 77.1267, 53.5504,
21.1628

 1.3651, 0.0000,
0.0000

 100.5493, 72.4794,
32.0873

 0.2311, 0.0000,
0.0000


 128.2902, 95.4138,
46.2427


 0.0000, 0.0000,
0.0000


 160.7149,


122.7379, 64.0474


 198.1887,
154.8361, 85.9202


 19.3131, 10.1999,
1.4028


 19.3131, 10.1999,
1.4028


 19.0562, 9.8243,
0.8919

 19.8791, 11.0286,
2.5272

 20.8513, 12.4514,
4.4596

 22.2871, 14.5525,
7.3135

 24.2345, 17.4021,
11.1845

 26.7354, 21.0617,
16.1560

■ 29.8275, 25.5863,
22.3031

■ 33.5452, 31.0263,
29.6940

■ 37.9203, 37.4282,
38.3918

■ 42.9823, 44.8352,
48.4555

Harmonies

Analogous

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



22.4660, 10.1999, 7.8645



19.3131, 10.1999, 1.4028



13.7673, 10.1999, 0.0000

Triad

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



19.3131, 10.1999, 1.4028



3.3006, 10.1999, 3.6479



11.0147, 10.1999, 65.6692

Complementary

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



19.3131, 10.1999, 1.4028



25.0560, 36.4748, 49.4355

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.



6.5167, 10.1999, 59.9647



19.3131, 10.1999, 1.4028



3.0039, 10.1999, 15.1344

Square

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



19.3131, 10.1999, 1.4028



4.9767, 10.1999, 0.3863



3.9562, 10.1999, 37.3522



16.7233, 10.1999, 49.4972

Rectangle

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



19.3131, 10.1999, 1.4028



10.0877, 10.1999, 0.0000



3.9562, 10.1999, 37.3522



9.3120, 10.1999, 66.3899

Sweetspot

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



19.3133, 10.2006, 1.4029



55.4557, 48.8024, 43.9898



27.5671, 13.5015, 44.8688



11.4145, 9.7118, 8.3718



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.



19.3133, 10.2006, 1.4029



34.1294, 17.5949, 1.5973



23.5098, 18.5935, 2.8018



8.4965, 8.5055, 8.8464



13.1371, 6.7728, 0.6149



0.4134, 0.2132, 0.0194

Inverse Universe

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



25.0560, 36.4748, 49.4355



44.5213, 65.1424, 88.5218



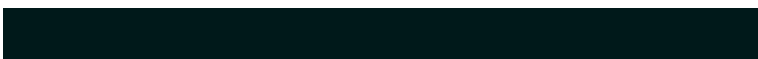
12.9051, 12.1731, 45.3852



8.7426, 9.6313, 10.9046



17.1372, 25.0747, 34.0737



0.5392, 0.7890, 1.0721

Previews

White Background



This preview shows how the XYZ color 19.3131, 10.1999, 1.4028 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 19.3131, 10.1999, 1.4028

Background



This preview shows how black text looks on a background with the XYZ color 19.3131, 10.1999, 1.4028.



This preview shows how white text looks on a background with the XYZ color 19.3131, 10.1999,

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

19.3131, 10.1999, 1.4028

Protanopia

9.6680, 10.6368, 2.8399

Deuteranopia

10.6107, 10.5294, 1.4731



Tritanopia

19.2578, 10.2009, 1.0401

Trichromacy



Original Color

19.3131, 10.1999, 1.4028

Protanomaly

11.3689, 8.5623, 1.9732

Deuteranomaly

12.5114, 8.9239, 1.2066

Tritanomaly

19.2797, 10.2097, 1.1555

Monochromacy



Original Color

19.3131, 10.1999, 1.4028

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

7.5930, 5.3641, 3.3245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3131, 10.1999, 1.4028 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, 15, 15)` looks like.

```
.text, #text, p{  
    color:rgb(181, 15, 15)  
}
```

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, 15, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 15, 15) }
```

Border

The CSS property to change the border of an element to XYZ 19.3131, 10.1999, 1.4028 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, 15, 15) }
```


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

```
.border{ border-color:rgb(181, 15, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 15, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 15, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 15, 15);  
box-shadow:4px 4px 4px 4px rgb(181, 15,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3131, 10.1999, 1.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 15, 15) }
```

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

```
.background{ background-color: rgb(181, 15,  
15) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor