

Converting Colors

XYZ(19.8854, 11.8645, 1.5702)

Have a look what the booklet for
XYZ(19.8854, 11.8645, 1.5702)
contains.

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Color

**XYZ(19.9811, 11.9241,
1.5651)**

Conversions

Conversions Part 1

Format	Color
Hex	B4310B
RGB	180, 49, 11
RGB Percent	71%, 19%, 4%
CMY	0.2941, 0.8078, 0.9569
CMYK	0.00, 0.73, 0.94, 0.29
HSL	13°, 88%, 37%
HSV	13°, 94%, 71%
XYZ	19.9811, 11.9241, 1.5651
YIQ	83.8370, 90.2740, 15.9540

Conversions

Conversions Part 2

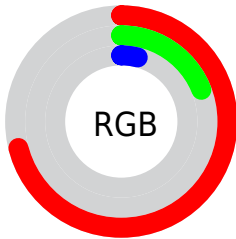
Format	Color
R_{YB}	180, 60, 11
Decimal	11809035
CIE Lab	41.10, 51.20, 49.81
CIE LCh	41, 71.434, 44.212
Yxy	11.9241, 0.5970, 0.3563
Android (android.graphics.Color)	4289999115 (0xFFB4310B)
YUV	83.8370, -35.9086, 84.3350
Hunter-Lab	34.5313, 42.8570, 21.4846

Details

The XYZ color **19.9811, 11.9241, 1.5651** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.0480, 22.7101, 46.6119**, and the grayscale version is **8.4527, 8.8929, 9.6844**.

A 20% lighter version of the original color is **42.7548, 29.2922, 7.8154**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.5973, 11.2535, 1.1392**, and if you desaturate by 10%, it is **20.8194, 13.3427, 2.6407**.

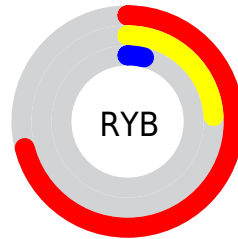
Distribution



Red (71%)

Green (19%)

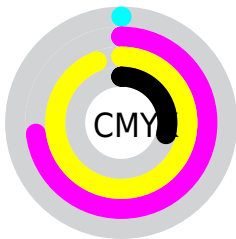
Blue (4%)



Red (71%)

Yellow (24%)

Blue (4%)

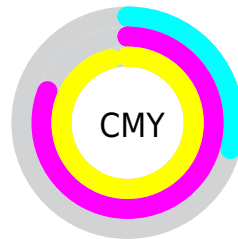


Cyan (0%)

Magenta (73%)

Yellow (94%)

Black (29%)



Cyan (29%)


Magenta (81%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9811, 11.9241, 1.5651 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 19.9811, 11.9241, 1.5651 by changing the saturation by 10% instead.


 19.9811, 11.9241,
1.5651


 19.9811, 11.9241,
1.5651


 244.6483,
203.9022, 115.2095


 12.4895, 6.6920,
0.2657


 42.8897, 29.3568,
7.8136


 7.1525, 3.2702,
0.0000


 59.0374, 42.3262,
13.7549

 3.6048, 1.2744,
0.0000

 78.8011, 58.6435,
22.1322

 1.4811, 0.1212,
0.0000

 102.5463, 78.6931,
33.3643


 0.3129, 0.0000,
0.0000


 130.6382,
102.8593, 47.8695


 0.0000, 0.0000,
0.0000


 163.4423,


131.5267, 66.0664


 201.3239,
165.0795, 88.3735


 19.9811, 11.9241,
1.5651


 19.9811, 11.9241,
1.5651


 19.5973, 11.2535,
1.1392

 20.8194, 13.3427,
2.6407

 21.9832, 15.2041,
4.4656

 23.5060, 17.5440,
7.1488

 25.4166, 20.3937,
10.7809

 27.7406, 23.7815,
15.4407

■ 30.5014, 27.7338,
21.1990

■ 33.7205, 32.2750,
28.1202

■ 37.4180, 37.4283,
36.2635

■ 41.6128, 43.2154,
45.6844

Harmonies

Analogous

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



23.8450, 11.9241, 7.2071



19.9811, 11.9241, 1.5651



14.2363, 11.9241, 0.1479

Triad

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



19.9811, 11.9241, 1.5651



4.2423, 11.9241, 6.7115



13.9332, 11.9241, 64.1759

Complementary

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



19.9811, 11.9241, 1.5651



18.0480, 22.7101, 46.6119

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.



8.8548, 11.9241, 63.5936



19.9811, 11.9241, 1.5651



4.2059, 11.9241, 21.2320

Square

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



19.9811, 11.9241, 1.5651



5.7506, 11.9241, 1.4347



5.6293, 11.9241, 44.3474



19.7022, 11.9241, 45.6063

Rectangle

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



19.9811, 11.9241, 1.5651



10.6240, 11.9241, 0.0000



5.6293, 11.9241, 44.3474



12.0739, 11.9241, 66.4918

Sweetspot

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



19.9814, 11.9248, 1.5653



58.3573, 54.6057, 44.9570



23.9289, 11.9374, 27.1821



12.0897, 11.0621, 8.5968



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.



19.9814, 11.9248, 1.5653



35.3913, 20.1186, 2.0180



27.1498, 26.2616, 3.9547



8.6463, 8.8051, 8.8964



13.7207, 7.9399, 0.8094



0.4756, 0.3376, 0.0401

Inverse Universe

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



18.0480, 22.7101, 46.6119



31.6326, 39.3650, 84.2256



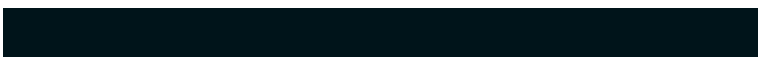
9.9343, 6.4826, 43.9073



8.5774, 9.3009, 10.8495



12.2980, 15.3963, 32.4606



0.4269, 0.5644, 1.0347

Previews

White Background



This preview shows how the XYZ color 19.9811, 11.9241, 1.5651 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

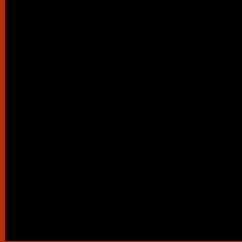
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9811, 11.9241, 1.5651

Background



This preview shows how black text looks on a background with the XYZ color 19.9811, 11.9241, 1.5651.



This preview shows how white text looks on a background with the XYZ color 19.9811, 11.9241,

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

19.9811, 11.9241, 1.5651

Protanopia

10.9630, 12.1163, 2.6250

Deuteranopia

12.2265, 12.1138, 1.6938



Tritanopia

20.5461, 11.9830, 3.9194

Trichromacy



Original Color

19.9811, 11.9241, 1.5651

Protanomaly

12.9779, 10.9352, 2.0428

Deuteranomaly

14.1774, 11.2458, 1.5383

Tritanomaly

20.3613, 11.9723, 2.7511

Monochromacy



Original Color

19.9811, 11.9241, 1.5651

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.5995, 8.7238, 4.9961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9811, 11.9241, 1.5651 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, 49, 11)` looks like.

```
.text, #text, p{  
  color:rgb(180, 49, 11)  
}
```

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, 49, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 49, 11) }
```

Border

The CSS property to change the border of an element to XYZ 19.9811, 11.9241, 1.5651 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, 49, 11) }
```


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

```
.border{ border-color:rgb(180, 49, 11) }
```

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

Here you see how a box with a 4 pixel rgb(180, 49, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 49, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 49, 11);  
box-shadow:4px 4px 4px 4px rgb(180, 49,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9811, 11.9241, 1.5651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 49, 11) }
```

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

```
.background{ background-color: rgb(180, 49,  
11) }
```

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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