

Converting Colors

XYZ(17.8700, 11.5876, 1.5731)

Have a look what the booklet for
XYZ(17.8700, 11.5876, 1.5731)
contains.

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Color

**XYZ(17.8191, 11.5785,
1.5829)**

Conversions

Conversions Part 1

Format	Color
Hex	A83C0A
RGB	168, 60, 10
RGB Percent	66%, 24%, 4%
CMY	0.3412, 0.7647, 0.9608
CMYK	0.00, 0.64, 0.94, 0.34
HSL	19°, 89%, 35%
HSV	19°, 94%, 66%
XYZ	17.8191, 11.5785, 1.5829
YIQ	86.5920, 80.4180, 7.3460

Conversions

Conversions Part 2

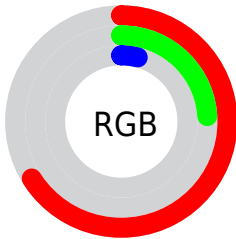
Format	Color
R_{YB}	168, 83, 10
Decimal	11025418
CIE Lab	40.54, 42.47, 48.67
CIE LCh	41, 64.591, 48.892
Yxy	11.5785, 0.5752, 0.3737
Android (android.graphics.Color)	4289215498 (0xFFA83C0A)
YUV	86.5920, -37.7599, 71.3948
Hunter-Lab	34.0272, 33.9279, 21.0609

Details

The XYZ color **17.8191, 11.5785, 1.5829** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.6709, 15.8475, 39.3838**, and the grayscale version is **9.0385, 9.5092, 10.3555**.

A 20% lighter version of the original color is **39.2696, 28.7483, 7.8941**, and **6.1843, 3.1881, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **17.4292, 10.8865, 1.1827**, and if you desaturate by 10%, it is **18.6284, 12.9721, 2.5471**.

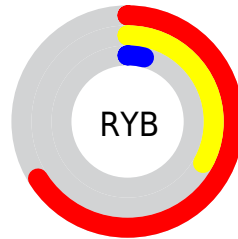
Distribution



Red (66%)

Green (24%)

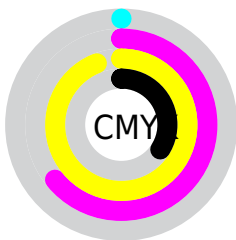
Blue (4%)



Red (66%)

Yellow (33%)

Blue (4%)

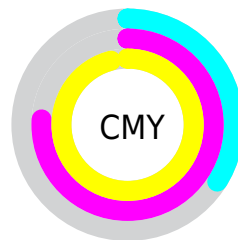


Cyan (0%)

Magenta (64%)

Yellow (94%)

Black (34%)



Cyan (34%)


Magenta (76%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8191, 11.5785, 1.5829 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 17.8191, 11.5785, 1.5829 by changing the saturation by 10% instead.


 17.8191, 11.5785,
1.5829


 17.8191, 11.5785,
1.5829


 232.9148,
201.5945, 115.5213


 10.9191, 6.4574,
0.2786


 39.2613, 28.7251,
7.8655


 6.0793, 3.1251,
0.0000


 54.5343, 41.5193,
13.8305


 2.9345, 1.1974,
0.0000

 73.3289, 57.6400,
22.2361

 1.1192, 0.0596,
0.0000

 96.0106, 77.4716,
33.5008


 0.0411, 0.0000,
0.0000


 122.9446,
101.3984, 48.0431


 0.0000, 0.0000,
0.0000


 154.4965,


129.8049, 66.2816


 191.0314,
163.0755, 88.6348


 17.8191, 11.5785,
1.5829


 17.8191, 11.5785,
1.5829


 17.4292, 10.8865,
1.1827

 18.6284, 12.9721,
2.5471

 19.6867, 14.6861,
4.1411

 21.0180, 16.7421,
6.4549

 22.6428, 19.1590,
9.5635

 24.5794, 21.9541,
13.5325

■ 26.8445, 25.1436,
18.4205

■ 29.4534, 28.7426,
24.2809

■ 32.4205, 32.7653,
31.1629

■ 35.7593, 37.2254,
39.1126

Harmonies

Analogous

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



21.5338, 11.5785, 6.1091



17.8191, 11.5785, 1.5829



12.7784, 11.5785, 0.4553

Triad

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



17.8191, 11.5785, 1.5829



4.4581, 11.5785, 8.3690



14.0884, 11.5785, 54.2886

Complementary

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



17.8191, 11.5785, 1.5829



13.6709, 15.8475, 39.3838

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.



9.4038, 11.5785, 56.6527



17.8191, 11.5785, 1.5829



4.6285, 11.5785, 22.5866

Square

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



17.8191, 11.5785, 1.5829



5.6408, 11.5785, 2.2659



6.1961, 11.5785, 42.4856



19.0026, 11.5785, 37.3046

Rectangle

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



17.8191, 11.5785, 1.5829



9.7071, 11.5785, 0.4250



6.1961, 11.5785, 42.4856



12.4138, 11.5785, 57.1123

Sweetspot

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



17.8193, 11.5792, 1.5831



51.2537, 49.1464, 39.0857



19.6836, 9.9126, 18.8369



10.7521, 10.1321, 7.5832



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.8193, 11.5792, 1.5831



31.4569, 19.4130, 2.0891



25.0637, 26.0679, 3.9979



7.7177, 7.9154, 7.9103



13.2035, 8.3043, 0.9070



0.3668, 0.2931, 0.0372

Inverse Universe

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



13.6709, 15.8475, 39.3838



23.7152, 26.9092, 71.1692



8.0070, 4.5196, 37.4958



7.5443, 8.1256, 9.5891



9.9999, 11.4600, 29.6604



0.2861, 0.3645, 0.7359

Previews

White Background



This preview shows how the XYZ color 17.8191, 11.5785, 1.5829 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 17.8191, 11.5785, 1.5829

Background



This preview shows how black text looks on a background with the XYZ color 17.8191, 11.5785, 1.5829.



This preview shows how white text looks on a background with the XYZ color 17.8191, 11.5785,

1.5829.

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

17.8191, 11.5785, 1.5829

Protanopia

10.7167, 11.8547, 2.4328

Deuteranopia

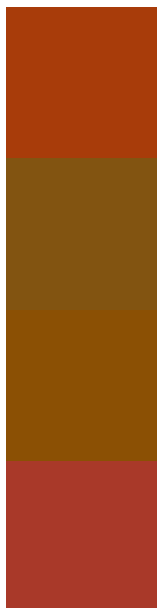
11.8532, 11.7919, 1.6513



Tritanopia

18.5658, 11.5791, 5.3941

Trichromacy



Original Color

17.8191, 11.5785, 1.5829

Protanomaly

12.4774, 11.1269, 2.0204

Deuteranomaly

13.5380, 11.2351, 1.5699

Tritanomaly

18.2256, 11.5214, 3.3611

Monochromacy



Original Color

17.8191, 11.5785, 1.5829

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.6458, 9.3365, 5.3787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8191, 11.5785, 1.5829 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(168, 60, 10)` looks like.

```
.text, #text, p{  
    color:rgb(168, 60, 10)  
}
```

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(168, 60, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 60, 10) }
```

Border

The CSS property to change the border of an element to XYZ 17.8191, 11.5785, 1.5829 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(168, 60, 10) }
```


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

```
.border{ border-color:rgb(168, 60, 10) }
```

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

Here you see how a box with a 4 pixel rgb(168, 60, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 60, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 60, 10);  
box-shadow:4px 4px 4px 4px rgb(168, 60,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8191, 11.5785, 1.5829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 60, 10) }
```

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

```
.background{ background-color: rgb(168, 60,  
10) }
```

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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