

Converting Colors

XYZ(18.4450, 10.6301, 2.6482)

Have a look what the booklet for
XYZ(18.4450, 10.6301, 2.6482)
contains.

XYZ(18.5519, 10.7059, 2.6788)	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(18.5519, 10.7059,
2.6788)**

Conversions

Conversions Part 1

Format	Color
Hex	AE2923
RGB	174, 41, 35
RGB Percent	68%, 16%, 14%
CMY	0.3176, 0.8392, 0.8627
CMYK	0.00, 0.76, 0.80, 0.32
HSL	3°, 67%, 41%
HSV	3°, 80%, 68%
XYZ	18.5519, 10.7059, 2.6788
YIQ	80.0830, 81.1940, 26.3300

Conversions

Conversions Part 2

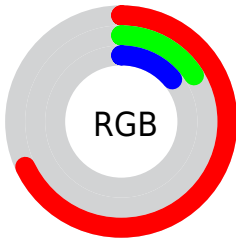
Format	Color
RYB	174, 41, 35
Decimal	11413795
CIELab	39.08, 52.62, 36.80
CIElCh	39, 64.210, 34.965
Yxy	10.7059, 0.5809, 0.3352
Android (android.graphics.Color)	4289603875 (0xFFAE2923)
YUV	80.0830, -22.2259, 82.3652
Hunter-Lab	32.7199, 43.9483, 18.0498

Details

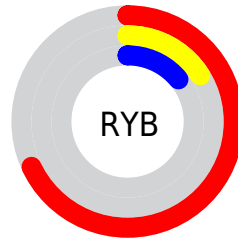
The XYZ color **18.5519, 10.7059, 2.6788** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.3340, 31.4151, 44.9308**, and the grayscale version is **7.6728, 8.0724, 8.7909**.

A 20% lighter version of the original color is **40.3520, 26.9763, 10.8648**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **17.8956, 9.7093, 1.4862**, and if you desaturate by 10%, it is **19.5802, 12.2419, 4.6273**.

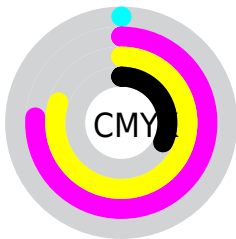
Distribution



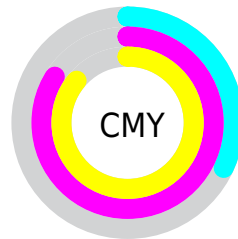
- Red (68%)
- Green (16%)
- Blue (14%)



- Red (68%)
- Yellow (16%)
- Blue (14%)



- Cyan (0%)
- Magenta (76%)
- Yellow (80%)
- Black (32%)





- Cyan (32%)
- Magenta (84%)
- Yellow (86%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5519, 10.7059, 2.6788 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 18.5519, 10.7059, 2.6788 by changing the saturation by 10% instead.


 18.5519, 10.7059,
2.6788


 18.5519, 10.7059,
2.6788


236.9496,
195.6386, 132.1583

 11.4490, 5.8694,
0.9327


 40.4983, 27.1150,
10.8250


 6.4392, 2.7659,
0.0000


 56.0725, 39.4565,
18.0626


 3.1571, 1.0107,
0.0000

 75.2012, 55.0684,
27.9678

 1.2374, 0.0000,
0.0000

 98.2498, 74.3352,
40.9593

 0.1356, 0.0000,
0.0000

 125.5835, 97.6412,
57.4555

 0.0000, 0.0000,
0.0000

 157.5679,

125.3708, 77.8751

194.5681,
157.9085, 102.6365

18.5519, 10.7059,
2.6788

18.5519, 10.7059,
2.6788

17.8956, 9.7093,
1.4862

19.5802, 12.2419,
4.6273

17.5403, 9.1665,
0.8506

21.0239, 14.3768,
7.4284

17.5371, 9.1619,
0.8441

22.9211, 17.1642,
11.1649

25.3054, 20.6515,
15.9097

28.2072, 24.8815,
21.7286

■ 31.6546, 29.8937,
28.6816

■ 35.6735, 35.7247,
36.8245

■ 40.2882, 42.4088,
46.2094

■ 45.5216, 49.9785,
56.8851

Harmonies

Analogous

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



20.8160, 10.7059, 9.7278



18.5519, 10.7059, 2.6788



14.0845, 10.7059, 0.6434

Triad

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



18.5519, 10.7059, 2.6788



4.3785, 10.7059, 4.2409



10.9071, 10.7059, 54.6434

Complementary

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



18.5519, 10.7059, 2.6788



22.3340, 31.4151, 44.9308

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.



7.0665, 10.7059, 48.8850



18.5519, 10.7059, 2.6788



3.9676, 10.7059, 13.8256

Square

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



18.5519, 10.7059, 2.6788



6.1396, 10.7059, 1.0335



4.7985, 10.7059, 31.1362



15.6783, 10.7059, 43.7537

Rectangle

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



18.5519, 10.7059, 2.6788



10.9175, 10.7059, 0.2389



4.7985, 10.7059, 31.1362



9.4682, 10.7059, 54.6365

Sweetspot

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



18.5521, 10.7065, 2.6790



54.4538, 49.9163, 46.0377



25.2524, 13.0791, 38.9102



11.6268, 10.4020, 9.2728



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.5521, 10.7065, 2.6790



31.9370, 16.7915, 1.8185



23.2418, 20.0858, 4.2422



8.0320, 8.0688, 8.3475



12.7312, 6.6680, 0.6160



0.3630, 0.2031, 0.0201

Inverse Universe

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



22.3340, 31.4151, 44.9308



38.9219, 55.5019, 81.2984



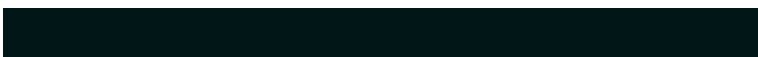
12.8775, 12.5022, 41.7786



8.2062, 9.0118, 10.2596



15.5064, 22.1467, 32.5020



0.4403, 0.6339, 0.9071

Previews

White Background



This preview shows how the XYZ color 18.5519, 10.7059, 2.6788 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 18.5519, 10.7059, 2.6788

Background



This preview shows how black text looks on a background with the XYZ color 18.5519, 10.7059, 2.6788.



This preview shows how white text looks on a background with the XYZ color 18.5519, 10.7059,

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

18.5519, 10.7059, 2.6788

Protanopia

10.0836, 10.9426, 4.5983

Deuteranopia

10.9805, 10.8232, 2.3210



Tritanopia

18.6146, 10.6763, 3.1775

Trichromacy



Original Color

18.5519, 10.7059, 2.6788

Protanomaly

11.9757, 9.7541, 3.7342

Deuteranomaly

12.9323, 9.9889, 2.2833

Tritanomaly

18.5806, 10.6627, 2.9983

Monochromacy



Original Color

18.5519, 10.7059, 2.6788

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.8131, 7.8440, 5.8473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5519, 10.7059, 2.6788 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(174, 41, 35)` looks like.

```
.text, #text, p{  
    color:rgb(174, 41, 35)  
}
```

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(174, 41, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 41, 35) }
```

Border

The CSS property to change the border of an element to XYZ 18.5519, 10.7059, 2.6788 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(174, 41, 35) }
```


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

```
.border{ border-color:rgb(174, 41, 35) }
```

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

Here you see how a box with a 4 pixel rgb(174, 41, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 41, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 41, 35);  
box-shadow:4px 4px 4px 4px rgb(174, 41,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5519, 10.7059, 2.6788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 41, 35) }
```

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

```
.background{ background-color: rgb(174, 41,  
35) }
```

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