

Converting Colors

XYZ(18.8790, 11.5005, 3.4341)

Have a look what the booklet for
XYZ(18.8790, 11.5005, 3.4341)
contains.

XYZ(18.8795, 11.5074, 3.4166)	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(18.8795, 11.5074,
3.4166)**

Conversions

Conversions Part 1

Format	Color
Hex	AD342A
RGB	173, 52, 42
RGB Percent	68%, 20%, 16%
CMY	0.3216, 0.7960, 0.8353
CMYK	0.00, 0.70, 0.76, 0.32
HSL	5°, 61%, 42%
HSV	5°, 76%, 68%
XYZ	18.8795, 11.5074, 3.4166
YIQ	87.0390, 75.3260, 22.5420

Conversions

Conversions Part 2

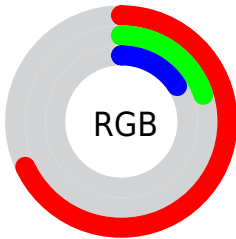
Format	Color
RYB	173, 53, 42
Decimal	11351082
CIELab	40.42, 48.53, 34.20
CIELCh	40, 59.372, 35.168
Yxy	11.5074, 0.5585, 0.3404
Android (android.graphics.Color)	4289541162 (0xFFAD342A)
YUV	87.0390, -22.2042, 75.3878
Hunter-Lab	33.9226, 39.9792, 17.7742

Details

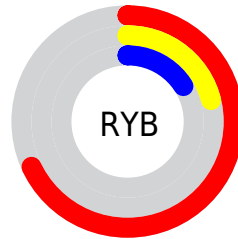
The XYZ color **18.8795, 11.5074, 3.4166** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **21.5934, 29.7009, 44.1296**, and the grayscale version is **9.1031, 9.5772, 10.4296**.

A 20% lighter version of the original color is **41.1764, 28.6748, 12.5971**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **18.0375, 10.2166, 1.9242**, and if you desaturate by 10%, it is **20.0970, 13.3357, 5.6935**.

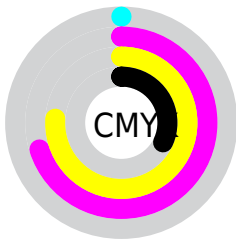
Distribution



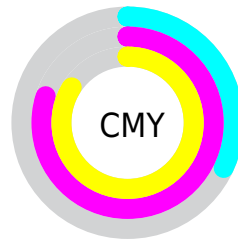
- Red (68%)
- Green (20%)
- Blue (16%)



- Red (68%)
- Yellow (21%)
- Blue (16%)



- Cyan (0%)
- Magenta (70%)
- Yellow (76%)
- Black (32%)





- Cyan (32%)
- Magenta (80%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8795, 11.5074, 3.4166 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 18.8795, 11.5074, 3.4166 by changing the saturation by 10% instead.


 18.8795, 11.5074,
3.4166


 18.8795, 11.5074,
3.4166


238.7336,
201.1163, 141.5016


 11.6867, 6.4092,
1.3111


 41.0488, 28.5947,
12.6402


 6.6014, 3.0955,
0.0709


 56.7561, 41.3526,
20.5954


 3.2582, 1.1818,
0.0000

 76.0323, 57.4325,
31.3375

 1.2917, 0.0467,
0.0000

 99.2426, 77.2188,
45.2852

 0.1770, 0.0000,
0.0000

 126.7526,
101.0960, 62.8568

 0.0000, 0.0000,
0.0000

 158.9275,

129.4484, 84.4711

196.1327,
162.6603, 110.5465

■ 18.8795, 11.5074,
3.4166

■ 18.8795, 11.5074,
3.4166

■ 18.0375, 10.2166,
1.9242

■ 20.0970, 13.3357,
5.6935

■ 17.5251, 9.4025,
1.1037

■ 21.7266, 15.7496,
8.8424

■ 17.3802, 9.1776,
0.8554

■ 23.8011, 18.7940,
12.9395

■ 26.3501, 22.5090,
18.0528

■ 29.4005, 26.9313,
24.2440

■ 32.9771, 32.0950,
31.5697

■ 37.1032, 38.0318,
40.0829

■ 41.8005, 44.7718,
49.8329

■ 47.0898, 52.3433,
60.8664

Harmonies

Analogous

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



21.0123, 11.5074, 10.5745



18.8795, 11.5074, 3.4166



14.6582, 11.5074, 1.1123

Triad

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



18.8795, 11.5074, 3.4166



5.1593, 11.5074, 5.1536



11.6750, 11.5074, 52.0800

Complementary

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



18.8795, 11.5074, 3.4166



21.5934, 29.7009, 44.1296

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.



7.9065, 11.5074, 47.0117



18.8795, 11.5074, 3.4166



4.7420, 11.5074, 14.7119

Square

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



18.8795, 11.5074, 3.4166



6.9419, 11.5074, 1.5764



5.6090, 11.5074, 30.9329



16.2305, 11.5074, 42.1962

Rectangle

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



18.8795, 11.5074, 3.4166



11.6261, 11.5074, 0.7363



5.6090, 11.5074, 30.9329



10.2765, 11.5074, 52.1103

Sweetspot

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



18.8798, 11.5081, 3.4168



54.0559, 50.2583, 46.2795



24.7864, 13.2301, 36.4954



11.2920, 10.2634, 9.1281



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.8798, 11.5081, 3.4168



31.6173, 17.2119, 2.3268



23.9237, 21.5960, 5.0981



8.0526, 8.1100, 8.3543



12.7861, 6.7776, 0.6343



0.3712, 0.2196, 0.0228

Inverse Universe

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



21.5934, 29.7009, 44.1296



36.5528, 51.0572, 78.7343



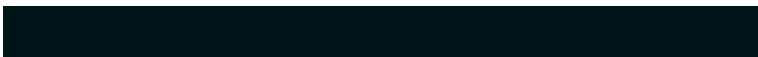
12.9374, 12.3889, 41.2443



8.1832, 8.9658, 10.2520



14.7677, 20.6692, 32.2557



0.4259, 0.6053, 0.9024

Previews

White Background



This preview shows how the XYZ color 18.8795, 11.5074, 3.4166 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 18.8795, 11.5074, 3.4166

Background



This preview shows how black text looks on a background with the XYZ color 18.8795, 11.5074, 3.4166.



This preview shows how white text looks on a background with the XYZ color 18.8795, 11.5074,

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

18.8795, 11.5074, 3.4166

Protanopia

10.8405, 11.7154, 5.4313

Deuteranopia

11.7755, 11.5907, 3.1300



Tritanopia

19.0600, 11.5089, 4.5850

Trichromacy



Original Color

18.8795, 11.5074, 3.4166

Protanomaly

12.6721, 10.7222, 4.5337

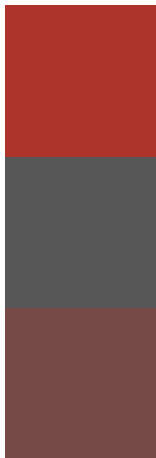
Deuteranomaly

13.6353, 10.9303, 3.1414

Tritanomaly

18.9718, 11.4736, 4.1204

Monochromacy



Original Color

18.8795, 11.5074, 3.4166

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.0573, 9.2040, 7.1550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8795, 11.5074, 3.4166 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(173, 52, 42)` looks like.

```
.text, #text, p{  
    color:rgb(173, 52, 42)  
}
```

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(173, 52, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 52, 42) }
```

Border

The CSS property to change the border of an element to XYZ 18.8795, 11.5074, 3.4166 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(173, 52, 42) }
```


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

```
.border{ border-color:rgb(173, 52, 42) }
```

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

Here you see how a box with a 4 pixel rgb(173, 52, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 52, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 52, 42);  
box-shadow:4px 4px 4px 4px rgb(173, 52,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8795, 11.5074, 3.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 52, 42) }
```

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

```
.background{ background-color: rgb(173, 52,  
42) }
```

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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