

Converting Colors

XYZ(19.0487, 11.8627, 3.0916)

Have a look what the booklet for
XYZ(19.0487, 11.8627, 3.0916)
contains.

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Color

**XYZ(18.9976, 11.8525,
3.1202)**

Conversions

Conversions Part 1

Format	Color
Hex	AD3826
RGB	173, 56, 38
RGB Percent	68%, 22%, 15%
CMY	0.3216, 0.7804, 0.8510
CMYK	0.00, 0.68, 0.78, 0.32
HSL	8°, 64%, 41%
HSV	8°, 78%, 68%
XYZ	18.9976, 11.8525, 3.1202
YIQ	88.9310, 75.5100, 19.2060

Conversions

Conversions Part 2

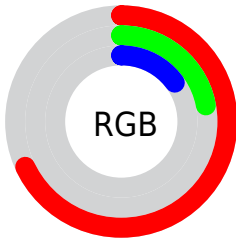
Format	Color
RYB	173, 59, 38
Decimal	11352102
CIELab	40.98, 46.73, 37.04
CIElCh	41, 59.633, 38.399
Yxy	11.8525, 0.5592, 0.3489
Android (android.graphics.Color)	4289542182 (0xFFAD3826)
YUV	88.9310, -25.1090, 73.7285
Hunter-Lab	34.4275, 38.2510, 18.7257

Details

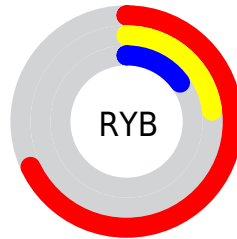
The XYZ color **18.9976, 11.8525, 3.1202** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **20.0623, 26.8695, 43.6638**, and the grayscale version is **9.5229, 10.0188, 10.9105**.

A 20% lighter version of the original color is **41.3298, 29.2395, 11.8530**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **18.1595, 10.5241, 1.7693**, and if you desaturate by 10%, it is **20.1835, 13.6694, 5.2270**.

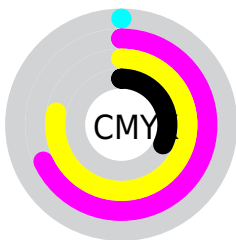
Distribution



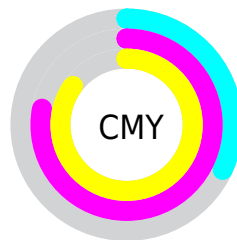
- Red (68%)
- Green (22%)
- Blue (15%)



- Red (68%)
- Yellow (23%)
- Blue (15%)



- Cyan (0%)
- Magenta (68%)
- Yellow (78%)
- Black (32%)





- Cyan (32%)
- Magenta (78%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9976, 11.8525, 3.1202 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 18.9976, 11.8525, 3.1202 by changing the saturation by 10% instead.


 18.9976, 11.8525,
3.1202

 18.9976, 11.8525,
3.1202


239.3739,
203.4263, 137.8771


 11.7725, 6.6433,
1.1563


 41.2469, 29.2262,
11.9236


 6.6601, 3.2401,
0.0000


 57.0019, 42.1595,
19.6003


 3.2949, 1.2583,
0.0000

 76.3310, 58.4362,
30.0182

 1.3115, 0.1086,
0.0000

 99.5994, 78.4409,
43.5961

 0.1918, 0.0000,
0.0000

 127.1725,
102.5579, 60.7524

 0.0000, 0.0000,
0.0000

 159.4157,

131.1715, 81.9056

196.6944,
164.6662, 107.4743

18.9976, 11.8525,
3.1202

18.9976, 11.8525,
3.1202

18.1595, 10.5241,
1.7693

20.1835, 13.6694,
5.2270

17.6220, 9.6314,
1.0279

21.7500, 16.0143,
8.1789

17.5414, 9.5000,
0.9091

23.7269, 18.9251,
12.0531

26.1406, 22.4354,
16.9180

29.0155, 26.5765,
22.8357

■ 32.3740, 31.3772,
29.8628

■ 36.2371, 36.8647,
38.0523

■ 40.6245, 43.0644,
47.4534

■ 45.5550, 50.0008,
58.1128

Harmonies

Analogous

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



21.4891, 11.8525, 9.7681



18.9976, 11.8525, 3.1202



14.5644, 11.8525, 1.0669

Triad

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



18.9976, 11.8525, 3.1202



5.2287, 11.8525, 6.0431



12.5070, 11.8525, 52.9086

Complementary

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



18.9976, 11.8525, 3.1202



20.0623, 26.8695, 43.6638

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.



8.5065, 11.8525, 49.4067



18.9976, 11.8525, 3.1202



4.9415, 11.8525, 16.6512

Square

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



18.9976, 11.8525, 3.1202



6.8986, 11.8525, 1.8599



5.9807, 11.8525, 33.6973



17.1696, 11.8525, 41.4735

Rectangle

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



18.9976, 11.8525, 3.1202



11.4963, 11.8525, 0.7723



5.9807, 11.8525, 33.6973



11.0377, 11.8525, 53.5331

Sweetspot

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



18.9979, 11.8532, 3.1204



54.6421, 51.4305, 46.4748



23.8430, 12.6370, 32.1927



11.4312, 10.5417, 9.1744



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.



18.9979, 11.8532, 3.1204



31.7541, 17.5692, 2.1142



24.7285, 23.3144, 5.0306



8.0882, 8.1812, 8.3662



12.9120, 7.0295, 0.6763



0.3854, 0.2480, 0.0276

Inverse Universe

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



20.0623, 26.8695, 43.6638



33.4814, 45.0920, 77.7447



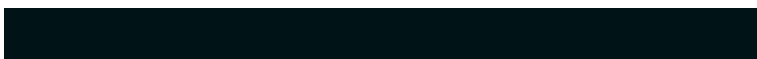
11.7910, 10.3269, 40.9067



8.1439, 8.8871, 10.2389



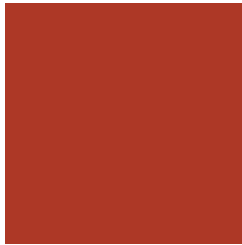
13.5749, 18.2837, 31.8581



0.4024, 0.5581, 0.8945

Previews

White Background



This preview shows how the XYZ color 18.9976, 11.8525, 3.1202 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 18.9976, 11.8525, 3.1202

Background



This preview shows how black text looks on a background with the XYZ color 18.9976, 11.8525, 3.1202.



This preview shows how white text looks on a background with the XYZ color 18.9976, 11.8525,

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

18.9976, 11.8525, 3.1202

Protanopia

11.1277, 12.1538, 4.7770

Deuteranopia

12.1622, 12.0550, 2.8482



Tritanopia

19.4885, 11.9225, 5.0155

Trichromacy



Original Color

18.9976, 11.8525, 3.1202

Protanomaly

13.1021, 11.2893, 4.0733

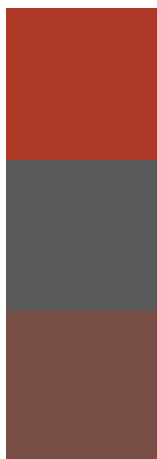
Deuteranomaly

14.1139, 11.5043, 2.8432

Tritanomaly

19.3761, 11.9528, 4.1916

Monochromacy



Original Color

18.9976, 11.8525, 3.1202

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.5051, 9.7430, 7.0686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9976, 11.8525, 3.1202 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, 56, 38)` looks like.

```
.text, #text, p{  
    color:rgb(173, 56, 38)  
}
```

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, 56, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 56, 38) }
```

Border

The CSS property to change the border of an element to XYZ 18.9976, 11.8525, 3.1202 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, 56, 38) }
```


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

```
.border{ border-color:rgb(173, 56, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 56, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 56, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 56, 38);  
box-shadow:4px 4px 4px 4px rgb(173, 56,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9976, 11.8525, 3.1202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 56, 38) }
```

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

```
.background{ background-color: rgb(173, 56,  
38) }
```

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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