

Converting Colors

XYZ(18.5332, 11.9661, 2.3666)

Have a look what the booklet for
XYZ(18.5332, 11.9661, 2.3666)
contains.

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Color

**XYZ(18.6083, 11.9688,
2.3664)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3C1B
RGB	171, 60, 27
RGB Percent	67%, 24%, 11%
CMY	0.3294, 0.7647, 0.8941
CMYK	0.00, 0.65, 0.84, 0.33
HSL	14°, 73%, 39%
HSV	14°, 84%, 67%
XYZ	18.6083, 11.9688, 2.3664
YIQ	89.4270, 76.7490, 13.2690

Conversions

Conversions Part 2

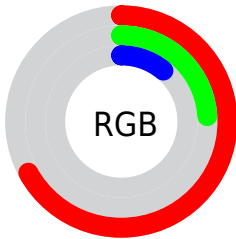
Format	Color
RYB	171, 70, 27
Decimal	11222043
CIELab	41.17, 43.92, 42.75
CIElCh	41, 61.292, 44.224
Yxy	11.9688, 0.5649, 0.3633
Android (android.graphics.Color)	4289412123 (0xFFAB3C1B)
YUV	89.4270, -30.7765, 71.5395
Hunter-Lab	34.5960, 35.4678, 20.1617

Details

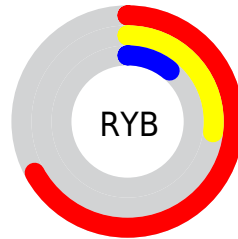
The XYZ color **18.6083, 11.9688, 2.3664** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.8903, 21.3485, 41.7583**, and the grayscale version is **9.6452, 10.1475, 11.0507**.

A 20% lighter version of the original color is **40.6345, 29.4064, 10.0129**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.8583, 10.6988, 1.4082**, and if you desaturate by 10%, it is **19.6459, 13.6303, 3.9884**.

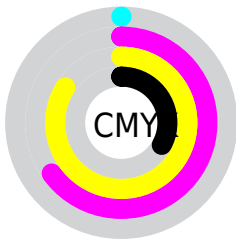
Distribution



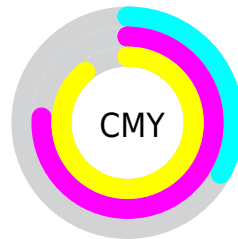
- Red (67%)
- Green (24%)
- Blue (11%)



- Red (67%)
- Yellow (27%)
- Blue (11%)



- Cyan (0%)
- Magenta (65%)
- Yellow (84%)
- Black (33%)



- Cyan (33%)
- Magenta (76%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6083, 11.9688, 2.3664 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 18.6083, 11.9688, 2.3664 by changing the saturation by 10% instead.

■ 18.6083, 11.9688,
2.3664

■ 18.6083, 11.9688,
2.3664

237.2576,
204.1986, 127.8293

■ 11.4899, 6.7224,
0.7681

■ 40.5932, 29.4383,
10.0203

■ 6.4671, 3.2891,
0.0000

■ 56.1904, 42.4302,
16.9259

■ 3.1745, 1.2845,
0.0000

■ 75.3445, 58.7727,
26.4420

■ 1.2467, 0.1291,
0.0000

■ 98.4211, 78.8502,
38.9872

■ 0.1428, 0.0000,
0.0000


■ 125.7853,
103.0472, 54.9800


■ 0.0000, 0.0000,
0.0000


■ 157.8025,


131.7480, 74.8389


 194.8382,
165.3370, 98.9825


 18.6083, 11.9688,
2.3664


 18.6083, 11.9688,
2.3664


 17.8583, 10.6988,
1.4082


 19.6459, 13.6303,
3.9884

 17.5264, 10.1217,
1.0299

 20.9995, 15.7115,
6.3693

 22.6945, 18.2403,
9.5892

 24.7533, 21.2414,
13.7178

 27.1964, 24.7376,
18.8175

■ 30.0427, 28.7503,
24.9451

■ 33.3098, 33.2996,
32.1530

■ 37.0141, 38.4044,
40.4900

■ 41.1712, 44.0828,
50.0019

Harmonies

Analogous

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



21.7485, 11.9688, 7.9244



18.6083, 11.9688, 2.3664



13.8436, 11.9688, 0.8385

Triad

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



18.6083, 11.9688, 2.3664



5.0061, 11.9688, 7.4766



13.5920, 11.9688, 53.6594

Complementary

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



18.6083, 11.9688, 2.3664



16.8903, 21.3485, 41.7583

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.



9.2206, 11.9688, 53.2228



18.6083, 11.9688, 2.3664



4.9718, 11.9688, 19.9652

Square

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



18.6083, 11.9688, 2.3664



6.4229, 11.9688, 2.2202



6.3125, 11.9688, 38.4070



18.3835, 11.9688, 39.3721

Rectangle

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



18.6083, 11.9688, 2.3664



10.7621, 11.9688, 0.6887



6.3125, 11.9688, 38.4070



12.0128, 11.9688, 55.4235

Sweetspot

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



18.6086, 11.9695, 2.3666



53.1370, 50.5536, 43.2202



21.9053, 11.3294, 25.7659



11.4504, 10.7121, 8.7738



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.



18.6086, 11.9695, 2.3666



31.2556, 17.8605, 1.8001



25.0016, 24.7556, 4.4976



8.1487, 8.3022, 8.3864



13.2466, 7.6988, 0.7878



0.4093, 0.2958, 0.0355

Inverse Universe

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



16.8903, 21.3485, 41.7583



27.7276, 34.3917, 74.1788



9.8578, 7.2835, 39.4141



8.0783, 8.7561, 10.2170



11.7828, 14.6994, 31.2608



0.3655, 0.4843, 0.8822

Previews

White Background



This preview shows how the XYZ color 18.6083, 11.9688, 2.3664 looks on a white background.

Color Contrast Check

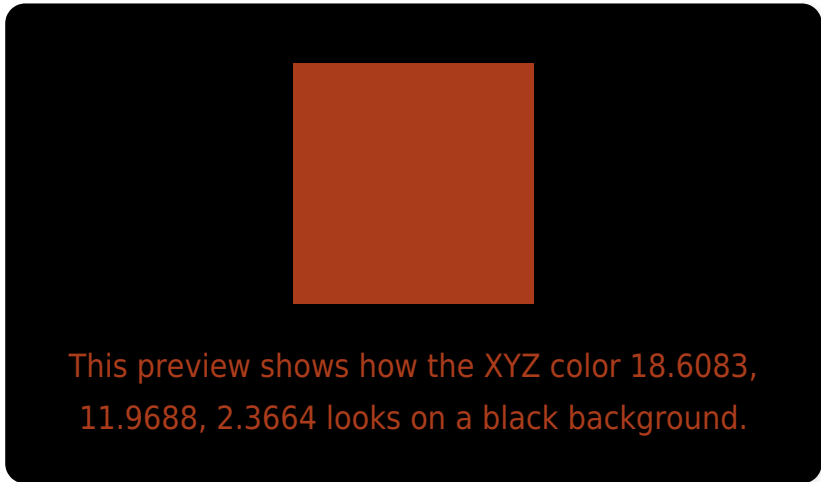
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6083, 11.9688, 2.3664

Background



This preview shows how black text looks on a background with the XYZ color 18.6083, 11.9688, 2.3664.



This preview shows how white text looks on a background with the XYZ color 18.6083, 11.9688,

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

18.6083, 11.9688, 2.3664

Protanopia

11.0083, 12.1201, 3.5095

Deuteranopia

12.2929, 12.1403, 2.0432



Tritanopia

19.2920, 12.0232, 5.5789

Trichromacy



Original Color

18.6083, 11.9688, 2.3664

Protanomaly

12.9606, 11.3560, 2.9477

Deuteranomaly

14.0281, 11.5881, 2.0277

Tritanomaly

19.0598, 12.0102, 4.1099

Monochromacy



Original Color

18.6083, 11.9688, 2.3664

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.3155, 9.7641, 6.4425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6083, 11.9688, 2.3664 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(171, 60, 27)` looks like.

```
.text, #text, p{  
    color:rgb(171, 60, 27)  
}
```

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(171, 60, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 60, 27) }
```

Border

The CSS property to change the border of an element to XYZ 18.6083, 11.9688, 2.3664 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(171, 60, 27) }
```


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

```
.border{ border-color:rgb(171, 60, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 60, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 60, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 60, 27);  
box-shadow:4px 4px 4px 4px rgb(171, 60,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6083, 11.9688, 2.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 60, 27) }
```

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

```
.background{ background-color: rgb(171, 60,  
27) }
```

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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