

Converting Colors

XYZ(18.6978, 12.0430, 2.7823)

Have a look what the booklet for
XYZ(18.6978, 12.0430, 2.7823)
contains.

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Color

**XYZ(18.6850, 11.9994,
2.7702)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3C21
RGB	171, 60, 33
RGB Percent	67%, 24%, 13%
CMY	0.3294, 0.7647, 0.8706
CMYK	0.00, 0.65, 0.81, 0.33
HSL	12°, 68%, 40%
HSV	12°, 81%, 67%
XYZ	18.6850, 11.9994, 2.7702
YIQ	90.1110, 74.8230, 15.1350

Conversions

Conversions Part 2

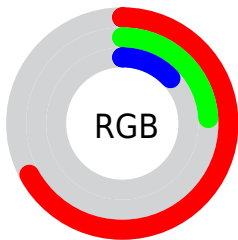
Format	Color
R_{YB}	171, 67, 33
Decimal	11222049
CIE Lab	41.22, 44.11, 39.82
CIE LCh	41, 59.429, 42.076
Yxy	11.9994, 0.5585, 0.3587
Android (android.graphics.Color)	4289412129 (0xFFAB3C21)
YUV	90.1110, -28.1557, 70.9397
Hunter-Lab	34.6402, 35.6632, 19.5066

Details

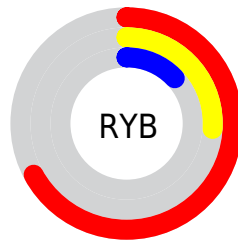
The XYZ color **18.6850, 11.9994, 2.7702** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.9504, 23.2087, 42.0616**, and the grayscale version is **9.7931, 10.3031, 11.2201**.

A 20% lighter version of the original color is **40.8464, 29.4912, 11.1289**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.8742, 10.6688, 1.6036**, and if you desaturate by 10%, it is **19.8052, 13.7546, 4.6402**.

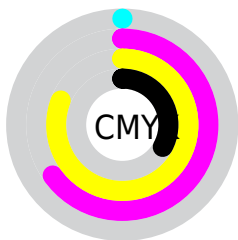
Distribution



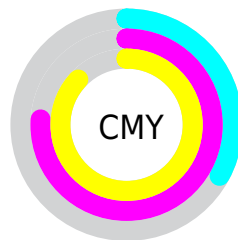
- Red (67%)
- Green (24%)
- Blue (13%)



- Red (67%)
- Yellow (26%)
- Blue (13%)



- Cyan (0%)
- Magenta (65%)
- Yellow (81%)
- Black (33%)





- Cyan (33%)
- Magenta (76%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6850, 11.9994, 2.7702 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 18.6850, 11.9994, 2.7702 by changing the saturation by 10% instead.


 18.6850, 11.9994,
2.7702


 18.6850, 11.9994,
2.7702


237.6759,
204.4013, 133.3777


 11.5455, 6.7433,
0.9785


 40.7221, 29.4940,
11.0559

 6.5050, 3.3021,
0.0000


 56.3505, 42.5013,
18.3871

 3.1981, 1.2914,
0.0000

 75.5393, 58.8611,
28.4018

 1.2594, 0.1345,
0.0000

 98.6538, 78.9577,
41.5186

 0.1525, 0.0000,
0.0000

 126.0593,
103.1757, 58.1560

 0.0000, 0.0000,
0.0000

 158.1212,

131.8994, 78.7327

195.2050,
165.5131, 103.6671

18.6850, 11.9994,
2.7702

18.6850, 11.9994,
2.7702

17.8742, 10.6688,
1.6036

19.8052, 13.7546,
4.6402

17.3513, 9.7715,
0.9716

21.2637, 15.9654,
7.3029

23.0863, 18.6621,
10.8349

25.2964, 21.8717,
15.3037

27.9151, 25.6191,
20.7699

■ 30.9620, 29.9278,
27.2891

■ 34.4556, 34.8197,
34.9128

■ 38.4129, 40.3156,
43.6889

■ 42.8505, 46.4352,
53.6628

Harmonies

Analogous

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



21.5168, 11.9994, 8.7218



18.6850, 11.9994, 2.7702



14.1354, 11.9994, 1.0158

Triad

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



18.6850, 11.9994, 2.7702



5.2214, 11.9994, 7.0622



13.2184, 11.9994, 52.4302

Complementary

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



18.6850, 11.9994, 2.7702



17.9504, 23.2087, 42.0616

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.



9.0511, 11.9994, 50.8712



18.6850, 11.9994, 2.7702



5.0931, 11.9994, 18.6539

Square

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



18.6850, 11.9994, 2.7702



6.7242, 11.9994, 2.2075



6.3145, 11.9994, 36.1363



17.8704, 11.9994, 39.5984

Rectangle

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



18.6850, 11.9994, 2.7702



11.1091, 11.9994, 0.8159



6.3145, 11.9994, 36.1363



11.7063, 11.9994, 53.7210

Sweetspot

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



18.6853, 12.0001, 2.7704



53.3279, 50.6060, 44.2997



22.5034, 11.8117, 28.1658



11.4732, 10.6923, 8.9832



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.



18.6853, 12.0001, 2.7704



31.2033, 17.6977, 1.9625



24.6973, 24.0242, 4.7744



8.1274, 8.2597, 8.3793



13.1109, 7.4273, 0.7426



0.4010, 0.2791, 0.0327

Inverse Universe

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



17.9504, 23.2087, 42.0616



29.5166, 37.8460, 74.7512



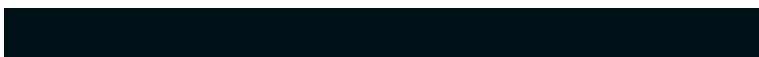
10.6109, 8.5296, 39.6151



8.1012, 8.8017, 10.2246



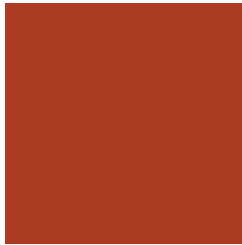
12.3798, 15.8934, 31.4598



0.3780, 0.5093, 0.8864

Previews

White Background



This preview shows how the XYZ color 18.6850, 11.9994, 2.7702 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



This preview shows how the XYZ color 18.6850, 11.9994, 2.7702 looks on a 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 18.6850, 11.9994, 2.7702

Background



This preview shows how black text looks on a background with the XYZ color 18.6850, 11.9994, 2.7702.



This preview shows how white text looks on a background with the XYZ color 18.6850, 11.9994,

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

18.6850, 11.9994, 2.7702

Protanopia

11.1104, 12.1610, 4.0472

Deuteranopia

12.2374, 12.1015, 2.5015



Tritanopia

19.2920, 12.0232, 5.5789

Trichromacy



Original Color

18.6850, 11.9994, 2.7702

Protanomaly

13.0523, 11.3927, 3.4305

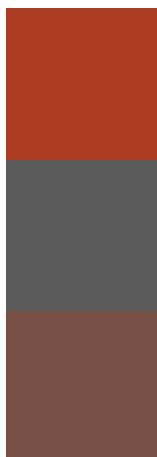
Deuteranomaly

13.9555, 11.5394, 2.5287

Tritanomaly

19.1020, 12.0271, 4.3323

Monochromacy



Original Color

18.6850, 11.9994, 2.7702

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.4779, 9.9436, 6.9446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6850, 11.9994, 2.7702 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(171, 60, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 60, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.6850, 11.9994, 2.7702 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, 33) }
```


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

```
.border{ border-color:rgb(171, 60, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 60, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 60, 33);  
box-shadow:4px 4px 4px 4px rgb(171, 60,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6850, 11.9994, 2.7702 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, 33) }
```

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

```
.background{ background-color: rgb(171, 60,  
33) }
```

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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