

Converting Colors

XYZ(18.8866, 12.7185, 1.8644)

Have a look what the booklet for
XYZ(18.8866, 12.7185, 1.8644)
contains.

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Color

**XYZ(18.8810, 12.7039,
1.8724)**

Conversions

Conversions Part 1

Format	Color
Hex	AB430E
RGB	171, 67, 14
RGB Percent	67%, 26%, 5%
CMY	0.3294, 0.7372, 0.9451
CMYK	0.00, 0.61, 0.92, 0.33
HSL	20°, 85%, 36%
HSV	20°, 92%, 67%
XYZ	18.8810, 12.7039, 1.8724
YIQ	92.0540, 78.9970, 5.5650

Conversions

Conversions Part 2

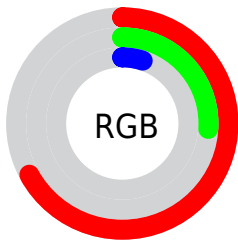
Format	Color
R_{YB}	171, 94, 14
Decimal	11223822
CIE _{Lab}	42.31, 40.39, 48.92
CIE _{LCh}	42, 63.437, 50.455
Yxy	12.7039, 0.5643, 0.3797
Android (android.graphics.Color)	4289413902 (0xFFAB430E)
YUV	92.0540, -38.4806, 69.2356
Hunter-Lab	35.6425, 32.1828, 21.8351

Details

The XYZ color **18.8810, 12.7039, 1.8724** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.0096, 15.9893, 40.8757**, and the grayscale version is **10.2588, 10.7931, 11.7536**.

A 20% lighter version of the original color is **41.1265, 30.8875, 8.6448**, and **6.6870, 3.6425, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **18.2940, 11.6570, 1.2858**, and if you desaturate by 10%, it is **19.7912, 14.2536, 3.0114**.

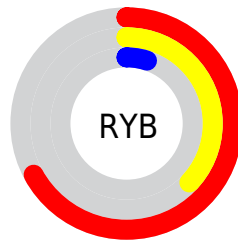
Distribution



Red (67%)

Green (26%)

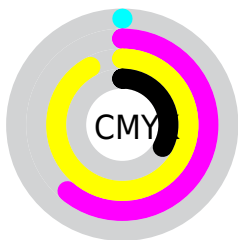
Blue (5%)



Red (67%)

Yellow (37%)

Blue (5%)

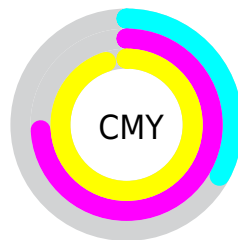


Cyan (0%)

Magenta (61%)

Yellow (92%)

Black (33%)



Cyan (33%)

Magenta (74%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8810, 12.7039, 1.8724 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 18.8810, 12.7039, 1.8724 by changing the saturation by 10% instead.

■ 18.8810, 12.7039,
1.8724

■ 18.8810, 12.7039,
1.8724

238.7418,
209.0112, 120.3629

■ 11.6878, 7.2250,
0.4751

■ 41.0513, 30.7708,
8.6889

■ 6.6022, 3.6032,
0.0000

■ 56.7592, 44.1275,
15.0233

■ 3.2587, 1.4542,
0.0000

■ 76.0361, 60.8790,
23.8664

■ 1.2920, 0.2561,
0.0000

■ 99.2472, 81.4096,
35.6369


■ 0.1772, 0.0000,
0.0000


■ 126.7580,
106.1038, 50.7532


■ 0.0000, 0.0000,
0.0000


■ 158.9337,


135.3458, 69.6340


 196.1399,
169.5201, 92.6977


 18.8810, 12.7039,
1.8724


 18.8810, 12.7039,
1.8724


 18.2940, 11.6570,
1.2858

 19.7912, 14.2536,
3.0114

 20.9597, 16.1280,
4.8265

 22.4097, 18.3478,
7.4073

 24.1616, 20.9308,
10.8295

 26.2333, 23.8936,
15.1597

■ 28.6413, 27.2516,
20.4575

■ 31.4009, 31.0192,
26.7774

■ 34.5265, 35.2102,
34.1701

■ 38.0313, 39.8376,
42.6825

Harmonies

Analogous

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



22.8259, 12.7039, 6.5516



18.8810, 12.7039, 1.8724



13.6551, 12.7039, 0.7268

Triad

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



18.8810, 12.7039, 1.8724



5.1166, 12.7039, 9.9289



15.5597, 12.7039, 55.7256

Complementary

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



18.8810, 12.7039, 1.8724



14.0096, 15.9893, 40.8757

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.



10.6212, 12.7039, 59.0515



18.8810, 12.7039, 1.8724



5.3747, 12.7039, 25.1483

Square

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



18.8810, 12.7039, 1.8724



6.3078, 12.7039, 2.9621



7.1391, 12.7039, 45.4395



20.5856, 12.7039, 38.0967

Rectangle

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



18.8810, 12.7039, 1.8724



10.4905, 12.7039, 0.7390



7.1391, 12.7039, 45.4395



13.8108, 12.7039, 58.8618

Sweetspot

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



18.8813, 12.7046, 1.8726



52.8637, 50.9621, 40.1854



20.2613, 10.2959, 18.2675



11.3480, 10.7583, 7.9662



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.



18.8813, 12.7046, 1.8726



32.5875, 20.5245, 2.2441



26.9737, 28.8894, 4.5701



8.2180, 8.4408, 8.4095



13.8355, 8.8765, 0.9841



0.4363, 0.3498, 0.0445

Inverse Universe

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



14.0096, 15.9893, 40.8757



23.5907, 26.1179, 72.7998



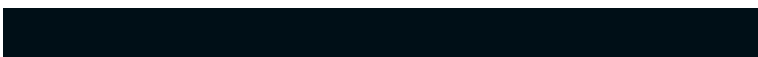
8.2962, 4.5626, 38.9712



8.0051, 8.6096, 10.1926



10.0656, 11.2650, 30.6884



0.3278, 0.4090, 0.8697

Previews

White Background



This preview shows how the XYZ color 18.8810, 12.7039, 1.8724 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 18.8810, 12.7039, 1.8724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

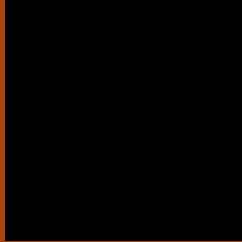
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8810, 12.7039, 1.8724

Background



This preview shows how black text looks on a background with the XYZ color 18.8810, 12.7039, 1.8724.



This preview shows how white text looks on a background with the XYZ color 18.8810, 12.7039,

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

18.8810, 12.7039, 1.8724

Protanopia

11.6184, 12.8799, 2.6843

Deuteranopia

12.9353, 12.8778, 1.8039



Tritanopia

19.7741, 12.7190, 6.5671

Trichromacy



Original Color

18.8810, 12.7039, 1.8724

Protanomaly

13.5302, 12.2636, 2.3158

Deuteranomaly

14.6036, 12.3476, 1.7572

Tritanomaly

19.3597, 12.6427, 4.1092

Monochromacy



Original Color

18.8810, 12.7039, 1.8724

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.9038, 10.6216, 6.2733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8810, 12.7039, 1.8724 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, 67, 14)` looks like.

```
.text, #text, p{  
    color:rgb(171, 67, 14)  
}
```

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, 67, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 67, 14) }
```

Border

The CSS property to change the border of an element to XYZ 18.8810, 12.7039, 1.8724 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, 67, 14) }
```


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

```
.border{ border-color:rgb(171, 67, 14) }
```

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

Here you see how a box with a 4 pixel rgb(171, 67, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 67, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 67, 14);  
box-shadow:4px 4px 4px 4px rgb(171, 67,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8810, 12.7039, 1.8724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 67, 14) }
```

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

```
.background{ background-color: rgb(171, 67,  
14) }
```

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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