

Converting Colors

XYZ(18.7830, 18.0579, 3.7697)

Have a look what the booklet for
XYZ(18.7830, 18.0579, 3.7697)
contains.

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Color

**XYZ(18.8807, 18.1432,
3.8032)**

Conversions

Conversions Part 1

Format	Color
Hex	986F1F
RGB	152, 111, 31
RGB Percent	60%, 44%, 12%
CMY	0.4039, 0.5647, 0.8784
CMYK	0.00, 0.27, 0.80, 0.40
HSL	40°, 66%, 36%
HSV	40°, 80%, 60%
XYZ	18.8807, 18.1432, 3.8032
YIQ	114.1390, 50.1160, -16.1880

Conversions

Conversions Part 2

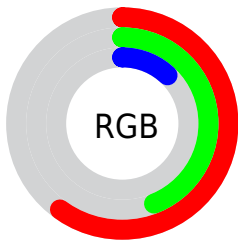
Format	Color
RYB	93, 152, 31
Decimal	9989919
CIELab	49.67, 8.68, 47.85
CIElCh	50, 48.627, 79.714
Yxy	18.1432, 0.4625, 0.4444
Android (android.graphics.Color)	4288179999 (0xFF986F1F)
YUV	114.1390, -40.9875, 33.2041
Hunter-Lab	42.5948, 4.5814, 24.5225

Details

The XYZ color **18.8807, 18.1432, 3.8032** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.5499, 7.1929, 30.6434**, and the grayscale version is **16.1451, 16.9859, 18.4977**.

A 20% lighter version of the original color is **41.0217, 40.1515, 13.5706**, and **6.7632, 6.2082, 0.8418** is the 20% darker color. If you saturate the color by 10%, you get **18.1799, 16.9902, 2.8038**, and if you desaturate by 10%, it is **19.7092, 19.4006, 5.3117**.

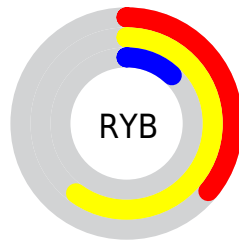
Distribution



Red (60%)

Green (44%)

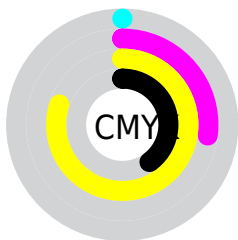
Blue (12%)



Red (36%)

Yellow (60%)

Blue (12%)

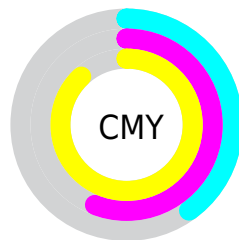


Cyan (0%)

Magenta (27%)

Yellow (80%)

Black (40%)



Cyan (40%)

Magenta (56%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8807, 18.1432, 3.8032 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 18.8807, 18.1432, 3.8032 by changing the saturation by 10% instead.

■ 18.8807, 18.1432,
3.8032

■ 18.8807, 18.1432,
3.8032

238.7401,
241.6770, 146.0122

■ 11.6876, 11.0528,
1.5180

■ 41.0508, 40.2812,
13.5533

■ 6.6020, 6.1024,
0.2313

■ 56.7586, 56.0976,
21.8552

■ 3.2586, 2.9074,
0.0000

■ 76.0353, 75.5915,
32.9999

■ 1.2919, 1.0836,
0.0000

■ 99.2463, 99.1473,
47.4058

■ 0.1772, 0.0000,
0.0000

■ 126.7569,
127.1493, 65.4914

■ 0.0000, 0.0000,
0.0000

■ 158.9325,

159.9820, 87.6753

196.1385,
198.0298, 114.3760

18.8807, 18.1432,
3.8032

18.8807, 18.1432,
3.8032

18.1799, 16.9902,
2.8038

19.7092, 19.4006,
5.3117

17.5772, 15.9267,
2.1651

20.6765, 20.7654,
7.3904

17.5541, 15.8859,
2.1411

21.7935, 22.2437,
10.0927

23.0697, 23.8400,
13.4658

24.5136, 25.5585,
17.5520

■ 26.1330, 27.4030,
22.3903

■ 27.9353, 29.3774,
28.0168

■ 29.9273, 31.4850,
34.4652

■ 32.1154, 33.7291,
41.7673

Harmonies

Analogous

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



23.6532, 18.1432, 6.0051



18.8807, 18.1432, 3.8032



14.4170, 18.1432, 4.1758

Triad

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



18.8807, 18.1432, 3.8032



10.1581, 18.1432, 29.6448



24.9514, 18.1432, 41.2064

Complementary

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



18.8807, 18.1432, 3.8032



8.5499, 7.1929, 30.6434

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.



20.4196, 18.1432, 54.7095



18.8807, 18.1432, 3.8032



12.1126, 18.1432, 46.2270

Square

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



18.8807, 18.1432, 3.8032



9.8948, 18.1432, 15.5496



15.7058, 18.1432, 56.8727



27.5506, 18.1432, 24.6572

Rectangle

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



18.8807, 18.1432, 3.8032



12.1664, 18.1432, 5.9315



15.7058, 18.1432, 56.8727



23.5694, 18.1432, 46.5155

Sweetspot

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



18.8811, 18.1441, 3.8035



44.6978, 46.7575, 35.1977



14.6532, 8.1412, 7.1638



9.9488, 10.3862, 7.3761



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.8811, 18.1441, 3.8035



31.2163, 28.4342, 4.0686



21.2832, 27.6114, 5.5043



6.5325, 6.8702, 6.5876



14.7482, 13.3788, 1.8050



0.2538, 0.2667, 0.0381

Inverse Universe

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



8.5499, 7.1929, 30.6434



12.4013, 8.6507, 53.4498



7.4315, 3.9039, 30.0675



6.0470, 6.3514, 7.8362



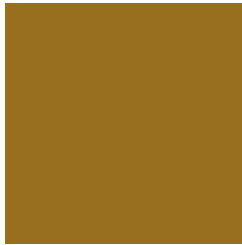
5.7895, 3.9756, 25.3699



0.1179, 0.1222, 0.3897

Previews

White Background



This preview shows how the XYZ color 18.8807, 18.1432, 3.8032 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 18.8807, 18.1432, 3.8032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

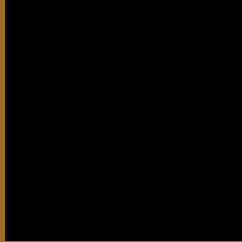
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8807, 18.1432, 3.8032

Background



This preview shows how black text looks on a background with the XYZ color 18.8807, 18.1432, 3.8032.



This preview shows how white text looks on a background with the XYZ color 18.8807, 18.1432,

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

18.8807, 18.1432, 3.8032

Protanopia

16.5442, 18.2900, 4.0972

Deuteranopia

18.4229, 18.0716, 3.7455



Tritanopia

21.7242, 18.2164, 17.4101

Trichromacy



Original Color

18.8807, 18.1432, 3.8032

Protanomaly

17.3213, 18.1705, 3.9608

Deuteranomaly

18.6062, 18.1661, 3.7541

Tritanomaly

20.2983, 18.0931, 10.4051

Monochromacy



Original Color

18.8807, 18.1432, 3.8032

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.4074, 17.0395, 10.8117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8807, 18.1432, 3.8032 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(152, 111, 31)` looks like.

```
.text, #text, p{  
    color:rgb(152, 111, 31)  
}
```

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(152, 111, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 111, 31) }
```

Border

The CSS property to change the border of an element to XYZ 18.8807, 18.1432, 3.8032 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(152, 111, 31) }
```


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

```
.border{ border-color:rgb(152, 111, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 111, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 111, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 111, 31);  
box-shadow:4px 4px 4px 4px rgb(152, 111,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8807, 18.1432, 3.8032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 111, 31) }
```

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

```
.background{ background-color: rgb(152,  
111, 31) }
```

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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