

Converting Colors

XYZ(18.7102, 16.5515, 2.3979)

Have a look what the booklet for
XYZ(18.7102, 16.5515, 2.3979)
contains.

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Color

**XYZ(18.7926, 16.5918,
2.4131)**

Conversions

Conversions Part 1

Format	Color
Hex	9E6507
RGB	158, 101, 7
RGB Percent	62%, 40%, 3%
CMY	0.3804, 0.6039, 0.9725
CMYK	0.00, 0.36, 0.96, 0.38
HSL	37°, 92%, 32%
HSV	37°, 96%, 62%
XYZ	18.7926, 16.5918, 2.4131
YIQ	107.3270, 64.1460, -17.1500

Conversions

Conversions Part 2

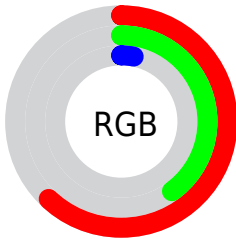
Format	Color
R_{YB}	99, 158, 7
Decimal	10380551
CIE Lab	47.74, 16.54, 53.72
CIE LCh	48, 56.209, 72.889
Yxy	16.5918, 0.4972, 0.4390
Android (android.graphics.Color)	4288570631 (0xFF9E6507)
YUV	107.3270, -49.4612, 44.4402
Hunter-Lab	40.7330, 11.0700, 25.0007

Details

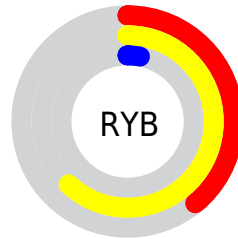
The XYZ color **18.7926, 16.5918, 2.4131** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.0927, 6.1808, 33.1140**, and the grayscale version is **14.1874, 14.9263, 16.2547**.

A 20% lighter version of the original color is **40.7976, 37.5898, 10.1063**, and **6.6860, 5.4050, 0.6909** is the 20% darker color. If you saturate the color by 10%, you get **18.5019, 16.0719, 2.1270**, and if you desaturate by 10%, it is **19.5076, 17.8390, 3.2156**.

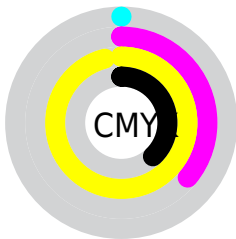
Distribution



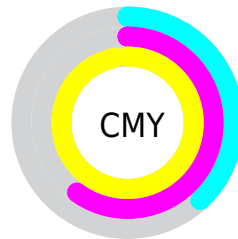
- Red (62%)
- Green (40%)
- Blue (3%)



- Red (39%)
- Yellow (62%)
- Blue (3%)



- Cyan (0%)
- Magenta (36%)
- Yellow (96%)
- Black (38%)



- Cyan (38%)
- Magenta (60%)
- Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7926, 16.5918, 2.4131 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 18.7926, 16.5918, 2.4131 by changing the saturation by 10% instead.

■ 18.7926, 16.5918,
2.4131

■ 18.7926, 16.5918,
2.4131

238.2615,
232.8089, 128.4935

■ 11.6236, 9.9439,
0.7936

■ 40.9029, 37.6226,
10.1422

■ 6.5583, 5.3618,
0.0000

■ 56.5750, 52.7743,
17.0987

■ 3.2313, 2.4610,
0.0000

■ 75.8122, 71.5293,
26.6746

■ 1.2772, 0.8570,
0.0000

■ 98.9797, 94.2721,
39.2884

■ 0.1661, 0.0000,
0.0000

■ 126.4431,
121.3871, 55.3587

■ 0.0000, 0.0000,
0.0000

■ 158.5676,

153.2586, 75.3039

■ 195.7187,
190.2711, 99.5426

■ 18.7926, 16.5918,
2.4131

■ 18.7926, 16.5918,
2.4131

■ 18.5019, 16.0719,
2.1270

■ 19.5076, 17.8390,
3.2156

■ 20.3578, 19.2081,
4.5200

■ 21.3604, 20.7083,
6.4116

■ 22.5284, 22.3458,
8.9544

■ 23.8732, 24.1265,
12.2041

■ 25.4047, 26.0557,
16.2103

■ 27.1324, 28.1384,
21.0183

■ 29.0648, 30.3790,
26.6696

■ 31.2100, 32.7820,
33.2027

Harmonies

Analogous

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



23.9775, 16.5918, 5.0052



18.7926, 16.5918, 2.4131



13.7080, 16.5918, 2.2776

Triad

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



18.7926, 16.5918, 2.4131



8.0916, 16.5918, 24.9811



23.3170, 16.5918, 46.9362

Complementary

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



18.7926, 16.5918, 2.4131



8.0927, 6.1808, 33.1140

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.



18.0290, 16.5918, 60.7976



18.7926, 16.5918, 2.4131



9.6884, 16.5918, 44.2598

Square

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



18.7926, 16.5918, 2.4131



8.2104, 16.5918, 11.0757



13.0902, 16.5918, 59.6184



26.9470, 16.5918, 27.5102

Rectangle

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



18.7926, 16.5918, 2.4131



11.0765, 16.5918, 3.3547



13.0902, 16.5918, 59.6184



21.6313, 16.5918, 52.7705

Sweetspot

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



18.7930, 16.5927, 2.4134



47.9736, 49.5523, 34.4963



15.1274, 7.8015, 5.6924



10.5338, 10.8303, 6.9973



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.7930, 16.5927, 2.4134



33.4022, 28.7918, 3.7969



23.1452, 30.0777, 4.7869



6.9596, 7.2992, 7.0277



14.8570, 12.9495, 1.7165



0.3053, 0.3109, 0.0439

Inverse Universe

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



8.0927, 6.1808, 33.1140



13.9295, 9.9269, 59.9254



6.6392, 2.8226, 32.5424



6.4797, 6.8251, 8.3825



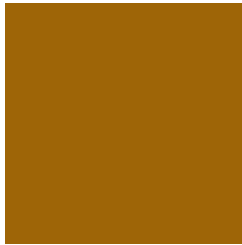
6.2574, 4.6064, 26.4666



0.1511, 0.1607, 0.4863

Previews

White Background



This preview shows how the XYZ color 18.7926, 16.5918, 2.4131 looks on a white background.

Color Contrast Check

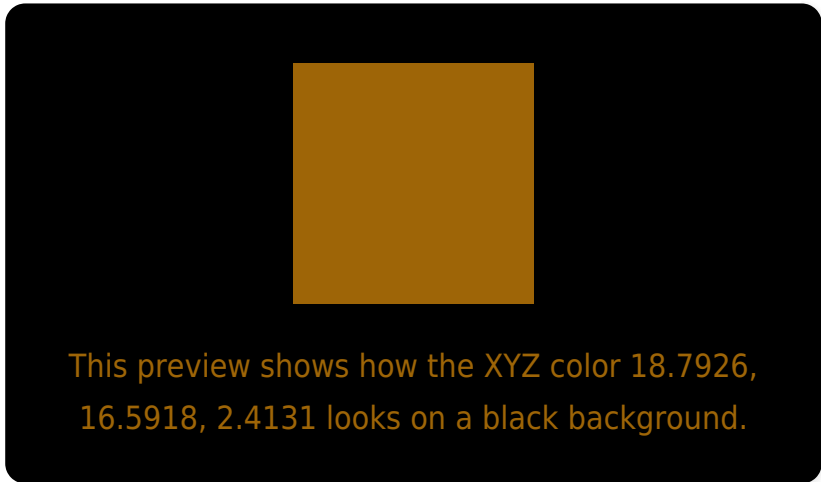
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7926, 16.5918, 2.4131

Background



This preview shows how black text looks on a background with the XYZ color 18.7926, 16.5918, 2.4131.



This preview shows how white text looks on a background with the XYZ color 18.7926, 16.5918,

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

18.7926, 16.5918, 2.4131

Protanopia

14.9920, 16.6529, 2.8049

Deuteranopia

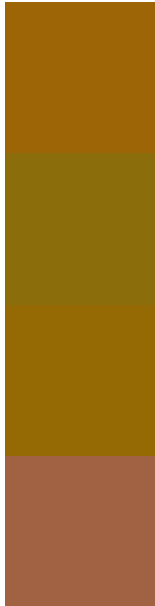
16.8642, 16.6544, 2.3258



Tritanopia

21.2520, 16.6264, 14.4010

Trichromacy



Original Color

18.7926, 16.5918, 2.4131

Protanomaly

16.1765, 16.4504, 2.6393

Deuteranomaly

17.4624, 16.4993, 2.3505

Tritanomaly

19.9858, 16.5317, 7.4478

Monochromacy



Original Color

18.7926, 16.5918, 2.4131

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.7931, 14.9937, 8.0756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7926, 16.5918, 2.4131 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(158, 101, 7)` looks like.

```
.text, #text, p{  
    color:rgb(158, 101, 7)  
}
```

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(158, 101, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 101, 7) }
```

Border

The CSS property to change the border of an element to XYZ 18.7926, 16.5918, 2.4131 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(158, 101, 7) }
```


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

```
.border{ border-color:rgb(158, 101, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 101, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 101, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 101, 7);  
box-shadow:4px 4px 4px 4px rgb(158, 101,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7926, 16.5918, 2.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 101, 7) }
```

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

```
.background{ background-color: rgb(158,  
101, 7) }
```

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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