

Converting Colors

XYZ(18.9896, 19.7530, 3.1285)

Have a look what the booklet for
XYZ(18.9896, 19.7530, 3.1285)
contains.

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Color

**XYZ(18.9896, 19.7530,
3.1285)**

Conversions

Conversions Part 1

Format	Color
Hex	94780B
RGB	148, 120, 11
RGB Percent	58%, 47%, 4%
CMY	0.4196, 0.5294, 0.9568
CMYK	0.00, 0.19, 0.93, 0.42
HSL	48°, 86%, 31%
HSV	48°, 93%, 58%
XYZ	18.9896, 19.7530, 3.1285
YIQ	115.9460, 51.6770, -27.9630

Conversions

Conversions Part 2

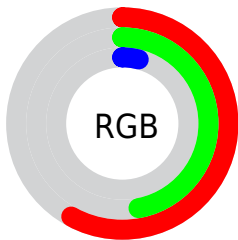
Format	Color
R_{YB}	46, 148, 11
Decimal	9730059
CIE Lab	51.56, 1.11, 55.22
CIE LCh	52, 55.231, 88.851
Yxy	19.7530, 0.4535, 0.4718
Android (android.graphics.Color)	4287920139 (0xFF94780B)
YUV	115.9460, -51.7384, 28.1114
Hunter-Lab	44.4443, -1.5105, 26.9375

Details

The XYZ color **18.9896, 19.7530, 3.1285** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.2090, 3.6606, 28.3960**, and the grayscale version is **16.7271, 17.5982, 19.1645**.

A 20% lighter version of the original color is **41.3116, 43.0691, 11.9302**, and **6.8316, 6.9619, 0.9837** is the 20% darker color. If you saturate the color by 10%, you get **18.6622, 19.1949, 2.7214**, and if you desaturate by 10%, it is **19.4835, 20.5426, 3.9043**.

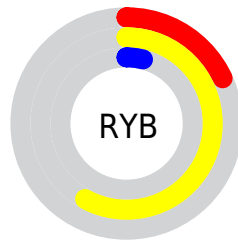
Distribution



Red (58%)

Green (47%)

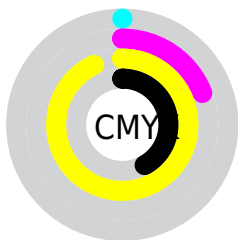
Blue (4%)



Red (18%)

Yellow (58%)

Blue (4%)

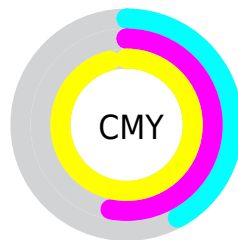


Cyan (0%)

Magenta (19%)

Yellow (93%)

Black (42%)



Cyan (42%)

Magenta (53%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9896, 19.7530, 3.1285 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 18.9896, 19.7530, 3.1285 by changing the saturation by 10% instead.

■ 18.9896, 19.7530,
3.1285

■ 18.9896, 19.7530,
3.1285

239.3306,
250.5748, 137.9808

■ 11.7667, 12.2156,
1.1606

■ 41.2335, 43.0027,
11.9439

■ 6.6561, 6.8907,
0.0000

■ 56.9853, 59.4838,
19.6285

■ 3.2924, 3.3938,
0.0000

■ 76.3107, 79.7149,
30.0558

■ 1.3102, 1.3406,
0.0000

■ 99.5752, 104.0805,
43.6442


■ 0.1908, 0.1723,
0.0000


■ 127.1441,
132.9648, 60.8124


■ 0.0000, 0.0000,
0.0000


■ 159.3827,


166.7524, 81.9789


 196.6564,
205.8276, 107.5622


 18.9896, 19.7530,
3.1285


 18.9896, 19.7530,
3.1285

 18.6622, 19.1949,
2.7214

 19.4835, 20.5426,
3.9043

 20.0737, 21.3885,
5.1326

 20.7725, 22.2966,
6.8748

 21.5898, 23.2709,
9.1827

 22.5343, 24.3151,
12.1017

■ 23.6138, 25.4326,
15.6724

■ 24.8354, 26.6262,
19.9321

■ 26.2058, 27.8989,
24.9152

■ 27.7312, 29.2532,
30.6538

Harmonies

Analogous

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



24.8605, 19.7530, 4.5118



18.9896, 19.7530, 3.1285



14.0770, 19.7530, 4.2987

Triad

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



18.9896, 19.7530, 3.1285



10.8860, 19.7530, 39.9070



29.4820, 19.7530, 41.5326

Complementary

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



18.9896, 19.7530, 3.1285



6.2090, 3.6606, 28.3960

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.



24.4159, 19.7530, 60.9762



18.9896, 19.7530, 3.1285



13.7731, 19.7530, 59.7559

Square

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



18.9896, 19.7530, 3.1285



9.9911, 19.7530, 20.9002



18.5613, 19.7530, 68.8909



31.6091, 19.7530, 22.1268

Rectangle

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



18.9896, 19.7530, 3.1285



11.8244, 19.7530, 7.0036



18.5613, 19.7530, 68.8909



28.0227, 19.7530, 48.5750

Sweetspot

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



18.9900, 19.7540, 3.1289



42.4978, 45.7016, 30.5124



12.7272, 6.6933, 2.6907



9.5135, 10.2461, 6.3199



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.9900, 19.7540, 3.1289



32.8041, 33.6194, 4.7602



16.9797, 24.4667, 4.1445



6.1658, 6.5455, 6.1789



15.9602, 16.4348, 2.3310



0.2158, 0.2420, 0.0353

Inverse Universe

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



6.2090, 3.6606, 28.3960



10.1598, 5.2291, 49.9084



6.7717, 3.0513, 28.2487



5.5898, 5.8136, 7.2973



4.9843, 2.6635, 24.1824



0.0785, 0.0676, 0.3018

Previews

White Background



This preview shows how the XYZ color 18.9896, 19.7530, 3.1285 looks on a white 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

Black Background



This preview shows how the XYZ color 18.9896, 19.7530, 3.1285 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 18.9896, 19.7530, 3.1285

Background



This preview shows how black text looks on a background with the XYZ color 18.9896, 19.7530, 3.1285.



This preview shows how white text looks on a background with the XYZ color 18.9896, 19.7530,

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

18.9896, 19.7530, 3.1285

Protanopia

17.7968, 19.6814, 3.2087

Deuteranopia

20.1578, 19.8250, 3.2161



Tritanopia

22.5108, 19.8144, 20.4074

Trichromacy



Original Color

18.9896, 19.7530, 3.1285

Protanomaly

18.1812, 19.6964, 3.1914

Deuteranomaly

19.6946, 19.7609, 3.1917

Tritanomaly

20.5276, 19.5161, 10.2745

Monochromacy



Original Color

18.9896, 19.7530, 3.1285

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6385, 17.8618, 9.7785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9896, 19.7530, 3.1285 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(148, 120, 11)` looks like.

```
.text, #text, p{  
    color:rgb(148, 120, 11)  
}
```

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(148, 120, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 120, 11) }
```

Border

The CSS property to change the border of an element to XYZ 18.9896, 19.7530, 3.1285 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(148, 120, 11) }
```


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

```
.border{ border-color:rgb(148, 120, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 120, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 120, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 120, 11);  
box-shadow:4px 4px 4px 4px rgb(148, 120,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9896, 19.7530, 3.1285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 120, 11) }
```

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

```
.background{ background-color: rgb(148,  
120, 11) }
```

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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