

Converting Colors

XYZ(18.8116, 18.1219, 9.4694)

Have a look what the booklet for
XYZ(18.8116, 18.1219, 9.4694)
contains.

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Color

**XYZ(18.8108, 18.1439,
9.5319)**

Conversions

Conversions Part 1

Format	Color
Hex	91704D
RGB	145, 112, 77
RGB Percent	57%, 44%, 30%
CMY	0.4314, 0.5608, 0.6980
CMYK	0.00, 0.23, 0.47, 0.43
HSL	31°, 31%, 44%
HSV	31°, 47%, 57%
XYZ	18.8108, 18.1439, 9.5319
YIQ	117.8770, 30.9030, -3.8890

Conversions

Conversions Part 2

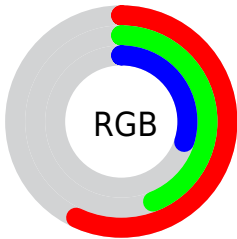
Format	Color
R_{YB}	141, 145, 77
Decimal	9531469
CIE Lab	49.67, 8.32, 24.42
CIE LCh	50, 25.798, 71.188
Yxy	18.1439, 0.4046, 0.3903
Android (android.graphics.Color)	4287721549 (0xFF91704D)
YUV	117.8770, -20.1524, 23.7869
Hunter-Lab	42.5957, 4.2855, 16.5493

Details

The XYZ color **18.8108, 18.1439, 9.5319** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.7472, 14.7735, 28.9151**, and the grayscale version is **17.2361, 18.1337, 19.7476**.

A 20% lighter version of the original color is **40.8608, 40.3366, 25.3708**, and **6.5077, 6.0464, 2.1906** is the 20% darker color. If you saturate the color by 10%, you get **17.6087, 16.4697, 6.8808**, and if you desaturate by 10%, it is **20.1887, 19.9869, 12.8051**.

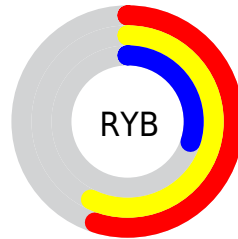
Distribution



Red (57%)

Green (44%)

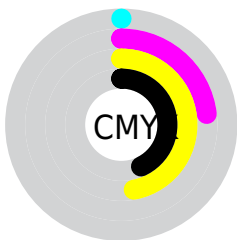
Blue (30%)



Red (55%)

Yellow (57%)

Blue (30%)

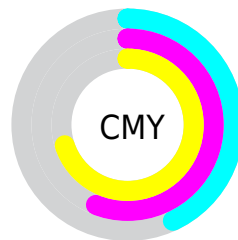


Cyan (0%)

Magenta (23%)

Yellow (47%)

Black (43%)



Cyan (43%)

Magenta (56%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8108, 18.1439, 9.5319 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 18.8108, 18.1439, 9.5319 by changing the saturation by 10% instead.

■ 18.8108, 18.1439,
9.5319

■ 18.8108, 18.1439,
9.5319

238.3605,
241.6809, 197.6596

■ 11.6368, 11.0533,
4.9882

■ 40.9335, 40.2824,
25.5052

■ 6.5673, 6.1027,
2.1817

■ 56.6130, 56.0991,
37.7718

■ 3.2369, 2.9076,
0.6638

■ 75.8583, 75.5933,
53.4498

■ 1.2803, 1.0837,
0.0000

■ 99.0348, 99.1494,
72.9577

■ 0.1684, 0.0000,
0.0000

■ 126.5080,
127.1519, 96.7141

■ 0.0000, 0.0000,
0.0000

158.6431,

159.9850, 125.1376

195.8054,
198.0332, 158.6465

■ 18.8108, 18.1439,
9.5319

■ 18.8108, 18.1439,
9.5319

■ 17.6087, 16.4697,
6.8808

■ 20.1887, 19.9869,
12.8051

■ 16.5719, 14.9557,
4.8098

■ 21.7492, 22.0015,
16.7365

■ 15.6908, 13.5967,
3.2734

■ 23.5006, 24.1938,
21.3605

■ 14.9540, 12.3856,
2.2187

■ 25.4501, 26.5686,
26.7091

■ 14.3432, 11.3127,
1.5569

■ 27.6044, 29.1305,
32.8119

■ 14.1687, 11.0031,
1.3770

■ 29.9700, 31.8841,
39.6973

■ 32.5531, 34.8337,
47.3917

■ 35.3595, 37.9835,
55.9208

■ 38.3950, 41.3373,
65.3086

Harmonies

Analogous

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



21.0425, 18.1439, 12.1305



18.8108, 18.1439, 9.5319



16.3464, 18.1439, 9.2489

Triad

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



18.8108, 18.1439, 9.5319



13.0210, 18.1439, 22.4933



20.5404, 18.1439, 31.7599

Complementary

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



18.8108, 18.1439, 9.5319



13.7472, 14.7735, 28.9151

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.



18.1764, 18.1439, 36.1842



18.8108, 18.1439, 9.5319



13.9347, 18.1439, 30.0493

Square

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



18.8108, 18.1439, 9.5319



13.1560, 18.1439, 15.7133



15.7690, 18.1439, 35.4930



22.1046, 18.1439, 24.4378

Rectangle

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



18.8108, 18.1439, 9.5319



14.9169, 18.1439, 10.3090



15.7690, 18.1439, 35.4930



19.8040, 18.1439, 33.7056

Sweetspot

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



18.8112, 18.1448, 9.5323



42.9606, 44.4031, 40.6204



17.2003, 12.4754, 16.5406



9.4116, 9.6992, 8.6423



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.8112, 18.1448, 9.5323



31.4802, 29.4173, 12.2082



23.1421, 26.8064, 10.9759



5.6240, 5.8543, 5.7230



12.1791, 9.4899, 1.1898



0.1385, 0.1348, 0.0187

Inverse Universe

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



13.7472, 14.7735, 28.9151



21.2898, 22.6360, 51.2206



10.8255, 8.9301, 27.9412



5.3320, 5.6598, 6.8402



6.3076, 5.6012, 23.7258



0.0822, 0.0973, 0.2341

Previews

White Background



This preview shows how the XYZ color 18.8108, 18.1439, 9.5319 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 18.8108, 18.1439, 9.5319 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 18.8108, 18.1439, 9.5319

Background



This preview shows how black text looks on a background with the XYZ color 18.8108, 18.1439, 9.5319.



This preview shows how white text looks on a background with the XYZ color 18.8108, 18.1439,

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

18.8108, 18.1439, 9.5319

Protanopia

16.8285, 18.1252, 10.2010

Deuteranopia

18.4000, 18.0969, 9.5444



Tritanopia

20.7466, 18.1428, 18.6281

Trichromacy



Original Color

18.8108, 18.1439, 9.5319

Protanomaly

17.4882, 18.1236, 9.9736

Deuteranomaly

18.5724, 18.1857, 9.5525

Tritanomaly

20.0303, 18.1728, 14.7639

Monochromacy



Original Color

18.8108, 18.1439, 9.5319

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5957, 18.0592, 15.3904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8108, 18.1439, 9.5319 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(145, 112, 77)` looks like.

```
.text, #text, p{  
    color:rgb(145, 112, 77)  
}
```

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(145, 112, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 112, 77) }
```

Border

The CSS property to change the border of an element to XYZ 18.8108, 18.1439, 9.5319 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(145, 112, 77) }
```


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

```
.border{ border-color:rgb(145, 112, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 112, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 112, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 112, 77);  
box-shadow:4px 4px 4px 4px rgb(145, 112,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8108, 18.1439, 9.5319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 112, 77) }
```

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

```
.background{ background-color: rgb(145,  
112, 77) }
```

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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