

Converting Colors

XYZ(18.7647, 19.4693, 10.4525)

Have a look what the booklet for
XYZ(18.7647, 19.4693, 10.4525)
contains.

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Color

**XYZ(18.8119, 19.5011,
10.3620)**

Conversions

Conversions Part 1

Format	Color
Hex	8B7850
RGB	139, 120, 80
RGB Percent	55%, 47%, 31%
CMY	0.4549, 0.5294, 0.6863
CMYK	0.00, 0.14, 0.42, 0.45
HSL	41°, 27%, 43%
HSV	41°, 42%, 55%
XYZ	18.8119, 19.5011, 10.3620
YIQ	121.1210, 24.1640, -8.4120

Conversions

Conversions Part 2

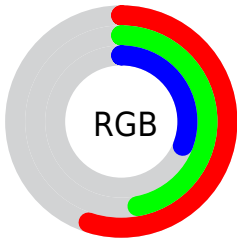
Format	Color
RYB	108, 139, 80
Decimal	9140304
CIELab	51.27, 1.44, 24.67
CIELCh	51, 24.710, 86.669
Yxy	19.5011, 0.3865, 0.4006
Android (android.graphics.Color)	4287330384 (0xFF8B7850)
YUV	121.1210, -20.2727, 15.6799
Hunter-Lab	44.1600, -1.2402, 16.9998

Details

The XYZ color **18.8119, 19.5011, 10.3620** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.4302, 12.4928, 26.1823**, and the grayscale version is **18.2715, 19.2231, 20.9339**.

A 20% lighter version of the original color is **41.0299, 42.5861, 27.1765**, and **6.5366, 6.7765, 2.4768** is the 20% darker color. If you saturate the color by 10%, you get **17.8250, 18.2658, 7.7561**, and if you desaturate by 10%, it is **19.9313, 20.8311, 13.5368**.

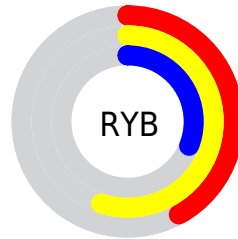
Distribution



Red (55%)

Green (47%)

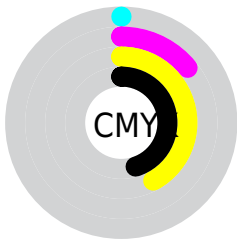
Blue (31%)



Red (42%)

Yellow (55%)

Blue (31%)

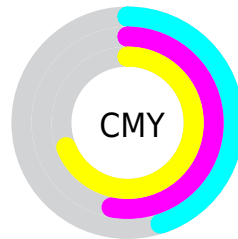


Cyan (0%)

Magenta (14%)

Yellow (42%)

Black (45%)



Cyan (45%)

Magenta (53%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8119, 19.5011, 10.3620 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 18.8119, 19.5011, 10.3620 by changing the saturation by 10% instead.

■ 18.8119, 19.5011,
10.3620

■ 18.8119, 19.5011,
10.3620

238.3665,
249.2013, 203.8143

■ 11.6376, 12.0329,
5.5309

■ 40.9353, 42.5791,
27.0926

■ 6.5679, 6.7661,
2.4979

■ 56.6152, 58.9578,
39.8291

■ 3.2373, 3.3163,
0.8390

■ 75.8611, 79.0754,
56.0379

■ 1.2804, 1.2990,
0.0000

■ 99.0382, 103.3163,
76.1375

■ 0.1685, 0.1404,
0.0000

■ 126.5119,
132.0650, 100.5464

■ 0.0000, 0.0000,
0.0000

158.6476,

165.7058, 129.6831

195.8107,
204.6231, 163.9663

■ 18.8119, 19.5011,
10.3620

■ 18.8119, 19.5011,
10.3620

■ 17.8250, 18.2658,
7.7561

■ 19.9313, 20.8311,
13.5368

■ 16.9620, 17.1191,
5.6830

■ 21.1879, 22.2560,
17.3111

■ 16.2159, 16.0583,
4.1042

■ 22.5884, 23.7798,
21.7149

■ 15.5779, 15.0794,
2.9758

■ 24.1380, 25.4051,
26.7757

■ 15.0378, 14.1776,
2.2456

■ 25.8422, 27.1345,
32.5195

■ 14.6720, 13.5381,
1.8398

■ 27.7057, 28.9706,
38.9707

■ 29.7334, 30.9156,
46.1527

■ 31.9298, 32.9718,
54.0877

■ 34.2990, 35.1415,
62.7969

Harmonies

Analogous

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



21.2629, 19.5011, 11.7927



18.8119, 19.5011, 10.3620



16.4885, 19.5011, 11.2680

Triad

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



18.8119, 19.5011, 10.3620



14.6148, 19.5011, 27.9261



22.7832, 19.5011, 29.5978

Complementary

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



18.8119, 19.5011, 10.3620



12.4302, 12.4928, 26.1823

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.



20.7446, 19.5011, 35.8169



18.8119, 19.5011, 10.3620



16.0514, 19.5011, 34.7111

Square

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



18.8119, 19.5011, 10.3620



14.1954, 19.5011, 20.4546



18.2612, 19.5011, 37.8684



23.6800, 19.5011, 22.0317

Rectangle

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



18.8119, 19.5011, 10.3620



15.2974, 19.5011, 13.2155



18.2612, 19.5011, 37.8684



22.2004, 19.5011, 31.9744

Sweetspot

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



18.8124, 19.5020, 10.3624



40.2317, 42.3501, 38.1826



15.8004, 12.1401, 13.4829



9.1511, 9.6303, 8.4184



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.8124, 19.5020, 10.3624



31.9772, 32.7827, 14.0308



19.7592, 23.7246, 11.1275



5.2976, 5.5780, 5.3498



13.2581, 12.2505, 1.6658



0.1014, 0.1080, 0.0155

Inverse Universe

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



12.4302, 12.4928, 26.1823



18.9690, 18.5098, 46.3159



11.7293, 9.7669, 25.6931



4.8976, 5.1381, 6.3395



5.0588, 3.3880, 22.4330



0.0458, 0.0468, 0.1531

Previews

White Background



This preview shows how the XYZ color 18.8119, 19.5011, 10.3620 looks on a white background.

Color Contrast Check

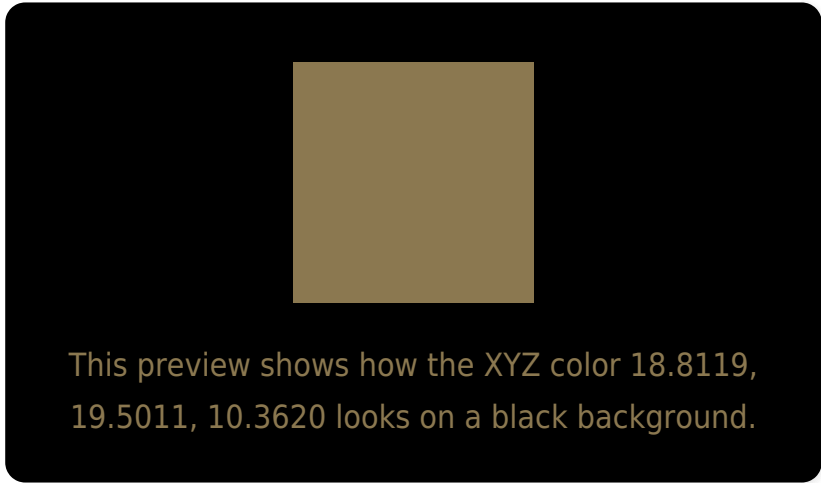
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

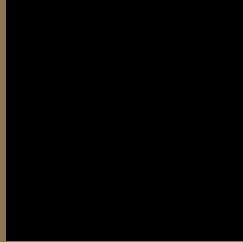
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8119, 19.5011, 10.3620

Background



This preview shows how black text looks on a background with the XYZ color 18.8119, 19.5011, 10.3620.



This preview shows how white text looks on a background with the XYZ color 18.8119, 19.5011,

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

18.8119, 19.5011, 10.3620

Protanopia

18.1176, 19.4997, 10.5935

Deuteranopia

19.8791, 19.5197, 10.5045



Tritanopia

21.0336, 19.5312, 21.4002

Trichromacy



Original Color

18.8119, 19.5011, 10.3620

Protanomaly

18.3142, 19.4197, 10.5677

Deuteranomaly

19.4652, 19.4802, 10.5187

Tritanomaly

20.1705, 19.5349, 16.6174

Monochromacy



Original Color

18.8119, 19.5011, 10.3620

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3410, 19.3045, 16.3951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8119, 19.5011, 10.3620 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(139, 120, 80)` looks like.

```
.text, #text, p{  
    color:rgb(139, 120, 80)  
}
```

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(139, 120, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 120, 80) }
```

Border

The CSS property to change the border of an element to XYZ 18.8119, 19.5011, 10.3620 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(139, 120, 80) }
```


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

```
.border{ border-color:rgb(139, 120, 80) }
```

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

Here you see how a box with a 4 pixel rgb(139, 120, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 120, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 120, 80);  
box-shadow:4px 4px 4px 4px rgb(139, 120,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8119, 19.5011, 10.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 120, 80) }
```

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

```
.background{ background-color: rgb(139,  
120, 80) }
```

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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