

Converting Colors

XYZ(19.4635, 23.6473, 14.2941)

Have a look what the booklet for
XYZ(19.4635, 23.6473, 14.2941)
contains.

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Color

**XYZ(19.4697, 23.7200,
14.3787)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8C5F
RGB	122, 140, 95
RGB Percent	48%, 55%, 37%
CMY	0.5216, 0.4510, 0.6274
CMYK	0.13, 0.00, 0.32, 0.45
HSL	84°, 19%, 46%
HSV	84°, 32%, 55%
XYZ	19.4697, 23.7200, 14.3787
YIQ	129.4880, 3.7170, -17.8110

Conversions

Conversions Part 2

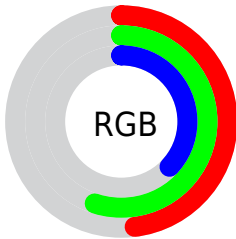
Format	Color
R_{YB}	95, 140, 113
Decimal	8031327
CIE _{Lab}	55.81, -14.77, 21.96
CIE _{LCh}	56, 26.461, 123.923
Yxy	23.7200, 0.3382, 0.4120
Android (android.graphics.Color)	4286221407 (0xFF7A8C5F)
YUV	129.4880, -17.0026, -6.5670
Hunter-Lab	48.7032, -13.8730, 16.5880

Details

The XYZ color **19.4697, 23.7200, 14.3787** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.6368, 13.5892, 26.6111**, and the grayscale version is **21.0951, 22.1937, 24.1689**.

A 20% lighter version of the original color is **42.1593, 49.7729, 34.5792**, and **6.9373, 8.9422, 4.1567** is the 20% darker color. If you saturate the color by 10%, you get **18.1195, 23.0917, 11.2869**, and if you desaturate by 10%, it is **20.9812, 24.4197, 18.0761**.

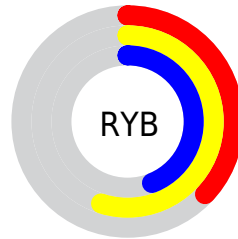
Distribution



Red (48%)

Green (55%)

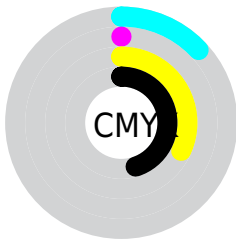
Blue (37%)



Red (37%)

Yellow (55%)

Blue (44%)

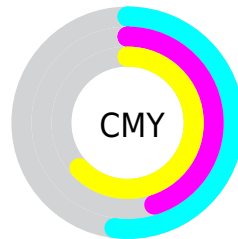


Cyan (13%)

Magenta (0%)

Yellow (32%)

Black (45%)



Cyan (52%)

Magenta (45%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4697, 23.7200, 14.3787 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 19.4697, 23.7200, 14.3787 by changing the saturation by 10% instead.

■ 19.4697, 23.7200,
14.3787

■ 19.4697, 23.7200,
14.3787

241.9183,
271.4018, 231.0840

■ 12.1162, 15.1260,
8.2428

■ 42.0371, 49.5729,
34.4862

■ 6.8956, 8.9079,
4.1607

■ 57.9816, 67.6006,
49.2949

■ 3.4426, 4.6812,
1.7139

■ 77.5205, 89.5417,
67.8316

■ 1.3919, 2.0614,
0.3702

■ 101.0192,
115.7806, 90.5148

■ 0.2505, 0.6428,
0.0000

128.8429,
146.7017, 117.7631

■ 0.0000, 0.0000,
0.0000

161.3571,

182.6893, 149.9951

198.9271,
224.1279, 187.6292

■ 19.4697, 23.7200,
14.3787

■ 19.4697, 23.7200,
14.3787

■ 18.1195, 23.0917,
11.2869

■ 20.9812, 24.4197,
18.0761

■ 16.9220, 22.5289,
8.7669

■ 22.6587, 25.1903,
22.4075

■ 15.8702, 22.0295,
6.7839


■ 24.5087, 26.0354,
27.4014


■ 14.9559, 21.5901,
5.2985


■ 26.5370, 26.9574,
33.0840


■ 14.1698, 21.2069,
4.2662


■ 28.7489, 27.9584,
39.4800


 13.5010, 20.8754,
3.6344

 31.1497, 29.0406,
46.6133

 13.0343, 20.6418,
3.2973

 33.7442, 30.2061,
54.5061

 36.5372, 31.4569,
63.1802

 39.5333, 32.7948,
72.6561

Harmonies

Analogous

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



22.1519, 23.7200, 12.5783



19.4697, 23.7200, 14.3787



17.7401, 23.7200, 19.2101

Triad

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



19.4697, 23.7200, 14.3787



20.0977, 23.7200, 43.7395



28.8199, 23.7200, 24.7106

Complementary

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



19.4697, 23.7200, 14.3787



15.6368, 13.5892, 26.6111

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.



28.1478, 23.7200, 33.8118



19.4697, 23.7200, 14.3787



22.9431, 23.7200, 46.1214

Square

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



19.4697, 23.7200, 14.3787



18.0794, 23.7200, 36.2150



25.9285, 23.7200, 42.1494



27.6916, 23.7200, 17.6438

Rectangle

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



19.4697, 23.7200, 14.3787



17.2703, 23.7200, 24.1133



25.9285, 23.7200, 42.1494



28.7976, 23.7200, 27.6201

Sweetspot

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



19.4703, 23.7210, 14.3792



40.5526, 44.6870, 41.1126



18.7868, 18.2127, 13.3520



9.2542, 10.2557, 9.2340



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.



19.4703, 23.7210, 14.3792



32.4722, 40.9566, 21.0719



16.6448, 22.2644, 14.2470



5.2407, 5.7468, 5.3854



11.6035, 18.3518, 2.9307



0.0937, 0.1305, 0.0202

Inverse Universe

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



15.6368, 13.5892, 26.6111



24.5646, 20.0475, 46.3178



18.8991, 15.2710, 26.7638



4.9517, 4.9835, 6.3068



5.6767, 2.4406, 22.2176



0.0535, 0.0243, 0.1483

Previews

White Background



This preview shows how the XYZ color 19.4697, 23.7200, 14.3787 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 19.4697, 23.7200, 14.3787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

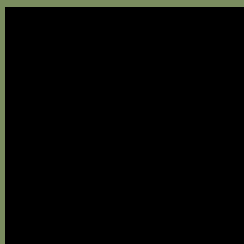
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4697, 23.7200, 14.3787

Background



This preview shows how black text looks on a background with the XYZ color 19.4697, 23.7200, 14.3787.



This preview shows how white text looks on a background with the XYZ color 19.4697, 23.7200,

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

19.4697, 23.7200, 14.3787

Protanopia

21.8209, 23.4771, 13.5067

Deuteranopia

24.0243, 23.5893, 14.8422



Tritanopia

22.6124, 23.7309, 29.7743

Trichromacy



Original Color

19.4697, 23.7200, 14.3787

Protanomaly

20.9333, 23.6329, 13.8142

Deuteranomaly

22.0860, 23.3853, 14.6590

Tritanomaly

21.1742, 23.5503, 23.1683

Monochromacy



Original Color

19.4697, 23.7200, 14.3787

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.2026, 22.4950, 20.1068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4697, 23.7200, 14.3787 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(122, 140, 95)` looks like.

```
.text, #text, p{  
    color:rgb(122, 140, 95)  
}
```

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(122, 140, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 140, 95) }
```

Border

The CSS property to change the border of an element to XYZ 19.4697, 23.7200, 14.3787 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(122, 140, 95) }
```


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

```
.border{ border-color:rgb(122, 140, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 140, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 140, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 140, 95);  
box-shadow:4px 4px 4px 4px rgb(122, 140,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4697, 23.7200, 14.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 140, 95) }
```

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

```
.background{ background-color: rgb(122,  
140, 95) }
```

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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