

Converting Colors

XYZ(23.9068, 19.8225, 16.4755)

Have a look what the booklet for
XYZ(23.9068, 19.8225, 16.4755)
contains.

XYZ(23.8479, 19.7924, 16.4733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8479, 19.7924,
16.4733)**

Conversions

Conversions Part 1

Format	Color
Hex	A76B6B
RGB	167, 107, 107
RGB Percent	65%, 42%, 42%
CMY	0.3451, 0.5804, 0.5804
CMYK	0.00, 0.36, 0.36, 0.35
HSL	0°, 25%, 54%
HSV	0°, 36%, 65%
XYZ	23.8479, 19.7924, 16.4733
YIQ	124.9400, 35.7600, 12.7200

Conversions

Conversions Part 2

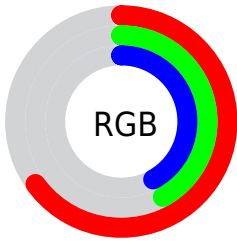
Format	Color
R_{YB}	167, 107, 107
Decimal	10972011
CIE _{Lab}	51.60, 23.97, 9.98
CIE _{LCh}	52, 25.970, 22.610
Yxy	19.7924, 0.3967, 0.3292
Android (android.graphics.Color)	4289162091 (0xFFA76B6B)
YUV	124.9400, -8.8444, 36.8866
Hunter-Lab	44.4887, 17.8288, 9.1881

Details

The XYZ color **23.8479, 19.7924, 16.4733** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.8567, 33.5521, 41.6200**, and the grayscale version is **19.4936, 20.5088, 22.3341**.

A 20% lighter version of the original color is **49.3102, 43.1122, 38.0703**, and **9.1896, 6.9649, 5.1350** is the 20% darker color. If you saturate the color by 10%, you get **21.4767, 16.3228, 11.7588**, and if you desaturate by 10%, it is **26.7261, 24.0043, 22.1944**.

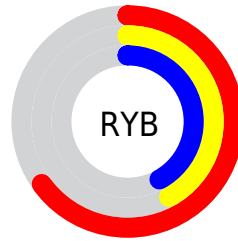
Distribution



Red (65%)

Green (42%)

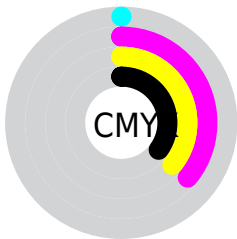
Blue (42%)



Red (65%)

Yellow (42%)

Blue (42%)

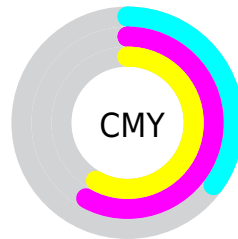


Cyan (0%)

Magenta (36%)

Yellow (36%)

Black (35%)



Cyan (35%)


Magenta (58%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8479, 19.7924, 16.4733 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 23.8479, 19.7924, 16.4733 by changing the saturation by 10% instead.


 23.8479, 19.7924,
16.4733


 23.8479, 19.7924,
16.4733


264.5054,
250.7890, 244.0589


 15.3450, 12.2442,
9.7017


 49.2384, 43.0689,
38.1961


 9.1497, 6.9102,
5.0986


 66.8566, 59.5659,
53.9844

 4.8969, 3.4060,
2.2455

 88.2440, 79.8148,
73.6154

 2.2210, 1.3472,
0.7004

 113.7658,
104.1997, 97.5075

 0.7538, 0.1773,
0.0000

143.7876,
133.1053, 126.0794

 0.0000, 0.0000,
0.0000

178.6745,

166.9157, 159.7496

218.7920,
206.0155, 198.9366

■ 23.8479, 19.7924,
16.4733

■ 23.8479, 19.7924,
16.4733

■ 21.4767, 16.3228,
11.7588

■ 26.7261, 24.0043,
22.1944

■ 19.5816, 13.5497,
7.9916

■ 30.1366, 28.9948,
28.9744

■ 18.1310, 11.4270,
5.1080

■ 34.1049, 34.8016,
36.8633


■ 17.0886, 9.9017,
3.0360


■ 38.6545, 41.4588,
45.9077


■ 16.4127, 8.9126,
1.6924


■ 43.8073, 48.9988,
56.1515

 16.0476, 8.3783,
0.9667

 49.5844, 57.4522,
67.6364

 15.9365, 8.2157,
0.7458

 56.0056, 66.8482,
80.4018

 63.0900, 77.2146,
94.4856

 69.7464, 86.9555,
107.7158

Harmonies

Analogous

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



24.2540, 19.7924, 23.4571



23.8479, 19.7924, 16.4733



22.0347, 19.7924, 12.0119

Triad

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



23.8479, 19.7924, 16.4733



15.0921, 19.7924, 13.9333



18.1725, 19.7924, 39.2252

Complementary

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



23.8479, 19.7924, 16.4733



26.8567, 33.5521, 41.6200

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.



15.9201, 19.7924, 35.1414



23.8479, 19.7924, 16.4733



14.2519, 19.7924, 19.7503

Square

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



23.8479, 19.7924, 16.4733



16.9438, 19.7924, 10.8002



14.5403, 19.7924, 27.5766



20.8128, 19.7924, 37.7715

Rectangle

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



23.8479, 19.7924, 16.4733



20.3558, 19.7924, 10.5196



14.5403, 19.7924, 27.5766



17.3484, 19.7924, 38.4274

Sweetspot

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



23.8484, 19.7934, 16.4737



57.2062, 56.6592, 58.3192



28.1692, 21.5211, 39.2286



12.5985, 12.3820, 12.6469



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.8484, 19.7934, 16.4737



39.3023, 30.4608, 22.7271



27.5360, 27.1685, 17.7029



7.5312, 7.5424, 7.8482



12.1948, 6.2868, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



26.8567, 33.5521, 41.6200



45.4858, 58.7423, 74.4163



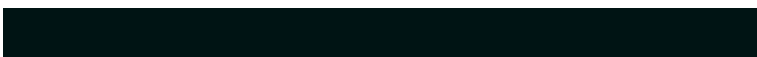
21.9843, 23.8073, 39.9959



7.7475, 8.5320, 9.6568



15.9102, 23.2806, 31.6305



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 23.8479, 19.7924, 16.4733 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 23.8479, 19.7924, 16.4733 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 23.8479, 19.7924, 16.4733

Background



This preview shows how black text looks on a background with the XYZ color 23.8479, 19.7924, 16.4733.



This preview shows how white text looks on a background with the XYZ color 23.8479, 19.7924,

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

23.8479, 19.7924, 16.4733

Protanopia

18.9299, 19.9157, 19.0661

Deuteranopia

20.3020, 19.9644, 16.1481



Tritanopia

24.3397, 19.8478, 18.4678

Trichromacy



Original Color

23.8479, 19.7924, 16.4733

Protanomaly

20.4412, 19.6432, 18.0434

Deuteranomaly

21.4948, 19.8814, 16.3403

Tritanomaly

24.1717, 19.7806, 17.5830

Monochromacy



Original Color

23.8479, 19.7924, 16.4733

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.5637, 19.8403, 19.8853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8479, 19.7924, 16.4733 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(167, 107, 107)` looks like.

```
.text, #text, p{  
    color:rgb(167, 107, 107)  
}
```

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(167, 107, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 107, 107) }
```

Border

The CSS property to change the border of an element to XYZ 23.8479, 19.7924, 16.4733 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(167, 107, 107) }
```


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

```
.border{ border-color:rgb(167, 107, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 107, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 107, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 107, 107);  
box-shadow:4px 4px 4px 4px rgb(167, 107,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8479, 19.7924, 16.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 107, 107) }
```

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

```
.background{ background-color: rgb(167,  
107, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor