

Converting Colors

XYZ(19.4529, 19.7811, 12.0254)

Have a look what the booklet for
XYZ(19.4529, 19.7811, 12.0254)
contains.

XYZ(19.4624, 19.8002, 12.0286)	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(19.4624, 19.8002,
12.0286)**

Conversions

Conversions Part 1

Format	Color
Hex	8D7858
RGB	141, 120, 88
RGB Percent	55%, 47%, 35%
CMY	0.4471, 0.5294, 0.6549
CMYK	0.00, 0.15, 0.38, 0.45
HSL	36°, 23%, 45%
HSV	36°, 38%, 55%
XYZ	19.4624, 19.8002, 12.0286
YIQ	122.6310, 22.7880, -5.5000

Conversions

Conversions Part 2

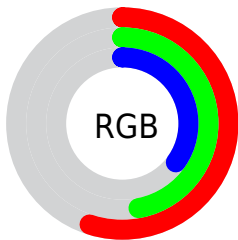
Format	Color
R_{YB}	123, 141, 88
Decimal	9271384
CIE _{Lab}	51.61, 3.28, 20.60
CIE _{LCh}	52, 20.864, 80.951
Yxy	19.8002, 0.3794, 0.3860
Android (android.graphics.Color)	4287461464 (0xFF8D7858)
YUV	122.6310, -17.0731, 16.1096
Hunter-Lab	44.4974, 0.2023, 15.1208

Details

The XYZ color **19.4624, 19.8002, 12.0286** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.3007, 14.9346, 27.3282**, and the grayscale version is **18.7548, 19.7315, 21.4876**.

A 20% lighter version of the original color is **42.1049, 43.0758, 30.1400**, and **6.9517, 6.9756, 3.1705** is the 20% darker color. If you saturate the color by 10%, you get **18.2817, 18.2849, 9.0269**, and if you desaturate by 10%, it is **20.7963, 21.4410, 15.6392**.

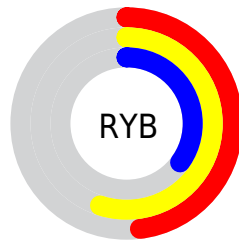
Distribution



Red (55%)

Green (47%)

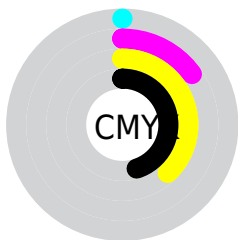
Blue (35%)



Red (48%)

Yellow (55%)

Blue (35%)

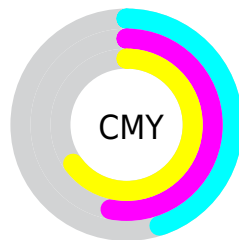


Cyan (0%)

Magenta (15%)

Yellow (38%)

Black (45%)



Cyan (45%)

Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4624, 19.8002, 12.0286 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 19.4624, 19.8002, 12.0286 by changing the saturation by 10% instead.

■ 19.4624, 19.8002,
12.0286

■ 19.4624, 19.8002,
12.0286

241.8791,
250.8314, 215.5792

■ 12.1109, 12.2499,
6.6404

■ 42.0249, 43.0820,
30.2124

■ 6.8920, 6.9141,
3.1632

■ 57.9665, 59.5822,
43.8450

■ 3.4403, 3.4084,
1.1786

■ 77.5022, 79.8345,
61.0628

■ 1.3907, 1.3485,
0.0000

■ 100.9973,
104.2233, 82.2844

■ 0.2496, 0.1783,
0.0000

■ 128.8172,
133.1330, 107.9283

■ 0.0000, 0.0000,
0.0000

161.3272,

166.9480, 138.4130

198.8928,
206.0527, 174.1571

■ 19.4624, 19.8002,
12.0286

■ 19.4624, 19.8002,
12.0286

■ 18.2817, 18.2849,
9.0269

■ 20.7963, 21.4410,
15.6392

■ 17.2456, 16.8883,
6.5983

■ 22.2885, 23.2081,
19.8894

■ 16.3465, 15.6071,
4.7049

■ 23.9458, 25.1061,
24.8092

■ 15.5757, 14.4367,
3.3039

■ 25.7740, 27.1382,
30.4264

■ 14.9232, 13.3718,
2.3456

■ 27.7788, 29.3076,
36.7673

■ 14.3700, 12.4039,
1.7345

■ 29.9652, 31.6173,
43.8566

■ 14.2440, 12.1818,
1.6006

■ 32.3384, 34.0703,
51.7180

■ 34.9033, 36.6694,
60.3742

■ 37.6643, 39.4175,
69.8467

Harmonies

Analogous

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



21.4825, 19.8002, 13.7606



19.4624, 19.8002, 12.0286



17.4109, 19.8002, 12.4546

Triad

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



19.4624, 19.8002, 12.0286



15.2914, 19.8002, 25.9689



22.1364, 19.8002, 29.7050

Complementary

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



19.4624, 19.8002, 12.0286



14.3007, 14.9346, 27.3282

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.



20.3021, 19.8002, 34.2776



19.4624, 19.8002, 12.0286



16.3862, 19.8002, 31.8567

Square

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



19.4624, 19.8002, 12.0286



15.1033, 19.8002, 19.7892



18.1909, 19.8002, 35.1309



23.1001, 19.8002, 23.4314

Rectangle

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



19.4624, 19.8002, 12.0286



16.2926, 19.8002, 13.9446



18.1909, 19.8002, 35.1309



21.5950, 19.8002, 31.5373

Sweetspot

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



19.4629, 19.8011, 12.0290



41.7654, 43.6935, 41.0728



17.2455, 13.7508, 16.2700



9.2507, 9.6703, 8.9425



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.



19.4629, 19.8011, 12.0290



33.0649, 33.1712, 16.9667



21.3911, 24.9635, 12.9238



5.6626, 5.9316, 5.7358



13.0036, 11.1390, 1.4647



0.1459, 0.1496, 0.0212

Inverse Universe

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



14.3007, 14.9346, 27.3282



22.4597, 23.1800, 48.4183



12.8423, 11.2457, 26.6930



5.2939, 5.5837, 6.8275



5.6817, 4.3494, 23.5171



0.0748, 0.0826, 0.2317

Previews

White Background



This preview shows how the XYZ color 19.4624, 19.8002, 12.0286 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 19.4624, 19.8002, 12.0286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

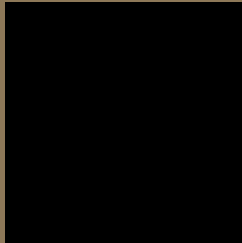
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4624, 19.8002, 12.0286

Background



This preview shows how black text looks on a background with the XYZ color 19.4624, 19.8002, 12.0286.



This preview shows how white text looks on a background with the XYZ color 19.4624, 19.8002,

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

19.4624, 19.8002, 12.0286

Protanopia

18.4019, 19.7927, 12.3017

Deuteranopia

20.0939, 19.7724, 11.9899



Tritanopia

21.4459, 19.7364, 21.7480

Trichromacy



Original Color

19.4624, 19.8002, 12.0286

Protanomaly

18.7544, 19.7912, 12.2828

Deuteranomaly

19.8599, 19.8275, 12.0129

Tritanomaly

20.7321, 19.7996, 17.7679

Monochromacy



Original Color

19.4624, 19.8002, 12.0286

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9799, 19.7907, 17.5715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4624, 19.8002, 12.0286 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(141, 120, 88)` looks like.

```
.text, #text, p{  
    color:rgb(141, 120, 88)  
}
```

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(141, 120, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 120, 88) }
```

Border

The CSS property to change the border of an element to XYZ 19.4624, 19.8002, 12.0286 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(141, 120, 88) }
```


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

```
.border{ border-color:rgb(141, 120, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 120, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 120, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 120, 88);  
box-shadow:4px 4px 4px 4px rgb(141, 120,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4624, 19.8002, 12.0286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 120, 88) }
```

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

```
.background{ background-color: rgb(141,  
120, 88) }
```

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