

Converting Colors

XYZ(13.1194, 12.4979, 9.8957)

Have a look what the booklet for
XYZ(13.1194, 12.4979, 9.8957)
contains.

XYZ(13.1718, 12.5519, 9.9121)	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(13.1718, 12.5519,
9.9121)**

Conversions

Conversions Part 1

Format	Color
Hex	775E53
RGB	119, 94, 83
RGB Percent	47%, 37%, 33%
CMY	0.5333, 0.6314, 0.6745
CMYK	0.00, 0.21, 0.30, 0.53
HSL	18°, 18%, 40%
HSV	18°, 30%, 47%
XYZ	13.1718, 12.5519, 9.9121
YIQ	100.2210, 18.4310, 1.8790

Conversions

Conversions Part 2

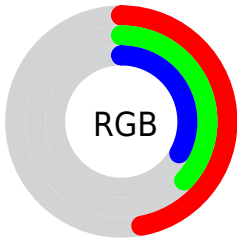
Format	Color
R_{YB}	119, 99, 83
Decimal	7822931
CIE Lab	42.08, 8.40, 10.17
CIE LCh	42, 13.189, 50.440
Yxy	12.5519, 0.3696, 0.3522
Android (android.graphics.Color)	4286013011 (0xFF775E53)
YUV	100.2210, -8.4900, 16.4692
Hunter-Lab	35.4287, 4.3632, 8.2121

Details

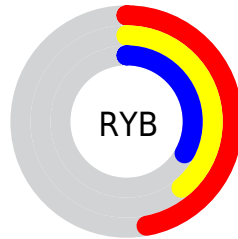
The XYZ color **13.1718, 12.5519, 9.9121** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2594, 13.8956, 19.4888**, and the grayscale version is **12.1875, 12.8222, 13.9634**.

A 20% lighter version of the original color is **31.1514, 30.3831, 26.0525**, and **3.9326, 3.5559, 2.3128** is the 20% darker color. If you saturate the color by 10%, you get **12.0554, 10.9924, 7.4645**, and if you desaturate by 10%, it is **14.4464, 14.3015, 12.8019**.

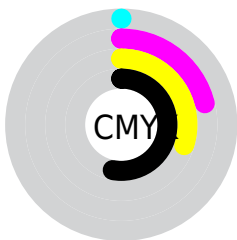
Distribution



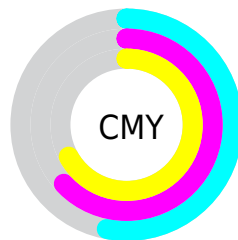
- Red (47%)
- Green (37%)
- Blue (33%)



- Red (47%)
- Yellow (39%)
- Blue (33%)



- Cyan (0%)
- Magenta (21%)
- Yellow (30%)
- Black (53%)





- Cyan (53%)
- Magenta (63%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1718, 12.5519, 9.9121 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 13.1718, 12.5519, 9.9121 by changing the saturation by 10% instead.


 13.1718, 12.5519,
9.9121


 13.1718, 12.5519,
9.9121


205.6312,
208.0255, 200.5055


 7.6248, 7.1207,
5.2359


 31.2108, 30.4964,
26.2353


 3.9056, 3.5377,
2.3252

 44.4334, 43.7784,
38.7193

 1.6489, 1.4185,
0.7453

 60.9454, 60.4463,
54.6430

 0.4239, 0.2303,
0.0000

 81.1119, 80.8843,
74.4249

 0.0000, 0.0000,
0.0000

 105.2984,
105.4768, 98.4836

133.8702,

134.6082, 127.2375

167.1927,
168.6630, 161.1053

■ 13.1718, 12.5519,
9.9121

■ 13.1718, 12.5519,
9.9121

■ 12.0554, 10.9924,
7.4645

■ 14.4464, 14.3015,
12.8019

■ 11.0898, 9.6146,
5.4363

■ 15.8843, 16.2457,
16.1535

■ 10.2683, 8.4123,
3.8038

■ 17.4917, 18.3909,
19.9865

■ 9.5833, 7.3780,
2.5405

■ 19.2740, 20.7429,
24.3190

■ 9.0264, 6.5037,
1.6168

■ 21.2364, 23.3069,
29.1681

■ 8.5883, 5.7807,
0.9983

■ 23.3839, 26.0883,
34.5502

■ 8.2499, 5.2062,
0.5701

■ 25.7213, 29.0921,
40.4809

■ 28.2532, 32.3232,
46.9751

■ 30.9841, 35.7862,
54.0474

Harmonies

Analogous

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



13.7857, 12.5519, 11.8664



13.1718, 12.5519, 9.9121



12.2461, 12.5519, 9.0035

Triad

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



13.1718, 12.5519, 9.9121



10.1658, 12.5519, 12.7896



12.6009, 12.5519, 19.3770

Complementary

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



13.1718, 12.5519, 9.9121



12.2594, 13.8956, 19.4888

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.



11.6198, 12.5519, 19.7134



13.1718, 12.5519, 9.9121



10.2492, 12.5519, 15.6408

Square

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



13.1718, 12.5519, 9.9121



10.5348, 12.5519, 10.5081



10.7692, 12.5519, 18.2671



13.4437, 12.5519, 17.4026

Rectangle

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



13.1718, 12.5519, 9.9121



11.5918, 12.5519, 9.0144



10.7692, 12.5519, 18.2671



12.2752, 12.5519, 19.6950

Sweetspot

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



13.1721, 12.5525, 9.9124



28.7247, 29.4678, 29.5885



13.4185, 11.1955, 15.6970



6.7287, 6.8778, 6.8261



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.1721, 12.5525, 9.9124



22.2245, 20.5796, 14.7441



14.9413, 16.0908, 10.5021



3.7668, 3.8666, 3.8901



8.7572, 5.5156, 0.6031



41.9990, 25.5266, 2.7135

Inverse Universe

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



12.2594, 13.8956, 19.4888



20.3199, 23.3710, 34.6932



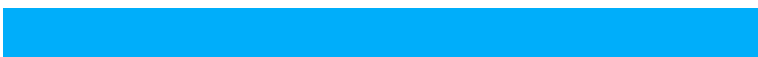
10.5702, 10.5171, 18.9257



3.6934, 3.9754, 4.6629



6.7855, 7.9106, 19.7118



32.2836, 36.9838, 95.7973

Previews

White Background



This preview shows how the XYZ color 13.1718, 12.5519, 9.9121 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 13.1718, 12.5519, 9.9121 looks on a black 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

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

XYZ 13.1718, 12.5519, 9.9121

Background



This preview shows how black text looks on a background with the XYZ color 13.1718, 12.5519, 9.9121.



This preview shows how white text looks on a background with the XYZ color 13.1718, 12.5519,

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

13.1718, 12.5519, 9.9121

Protanopia

11.8505, 12.5386, 10.5997

Deuteranopia

12.8144, 12.6351, 9.9470



Tritanopia

13.9644, 12.6201, 13.5043

Trichromacy



Original Color

13.1718, 12.5519, 9.9121

Protanomaly

12.2211, 12.4565, 10.3546

Deuteranomaly

12.8560, 12.5220, 9.9230

Tritanomaly

13.6359, 12.6121, 12.0716

Monochromacy



Original Color

13.1718, 12.5519, 9.9121

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4515, 12.6693, 12.3788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1718, 12.5519, 9.9121 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(119, 94, 83)` looks like.

```
.text, #text, p{  
    color:rgb(119, 94, 83)  
}
```

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(119, 94, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 94, 83) }
```

Border

The CSS property to change the border of an element to XYZ 13.1718, 12.5519, 9.9121 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(119, 94, 83) }
```


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

```
.border{ border-color:rgb(119, 94, 83) }
```

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

Here you see how a box with a 4 pixel rgb(119, 94, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 94, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 94, 83);  
box-shadow:4px 4px 4px 4px rgb(119, 94,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1718, 12.5519, 9.9121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 94, 83) }
```

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

```
.background{ background-color: rgb(119, 94,  
83) }
```

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