

Converting Colors

XYZ(12.9339, 9.8555, 12.6815)

Have a look what the booklet for
XYZ(12.9339, 9.8555, 12.6815)
contains.

XYZ(12.9794, 9.8765, 12.7775)	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(12.9794, 9.8765,
12.7775)**

Conversions

Conversions Part 1

Format	Color
Hex	7D4862
RGB	125, 72, 98
RGB Percent	49%, 28%, 38%
CMY	0.5098, 0.7176, 0.6157
CMYK	0.00, 0.42, 0.22, 0.51
HSL	331°, 27%, 39%
HSV	331°, 42%, 49%
XYZ	12.9794, 9.8765, 12.7775
YIQ	90.8110, 23.2420, 19.3220

Conversions

Conversions Part 2

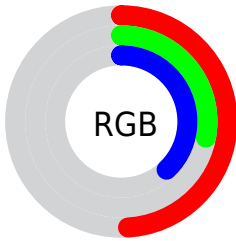
Format	Color
R_{YB}	125, 72, 98
Decimal	8210530
CIE Lab	37.62, 26.36, -5.47
CIE LCh	38, 26.920, 348.278
Yxy	9.8765, 0.3642, 0.2772
Android (android.graphics.Color)	4286400610 (0xFF7D4862)
YUV	90.8110, 3.5442, 29.9838
Hunter-Lab	31.4269, 18.7239, -2.1072

Details

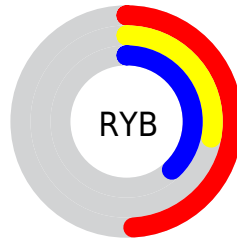
The XYZ color **12.9794, 9.8765, 12.7775** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **12.2587, 16.9461, 14.4300**, and the grayscale version is **9.8898, 10.4048, 11.3309**.

A 20% lighter version of the original color is **30.9748, 25.6727, 31.7565**, and **3.8133, 2.4426, 3.5193** is the 20% darker color. If you saturate the color by 10%, you get **11.9632, 8.3062, 11.0138**, and if you desaturate by 10%, it is **14.1845, 11.7860, 14.7224**.

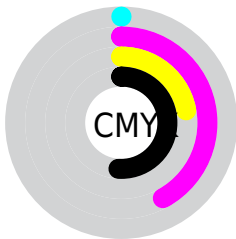
Distribution



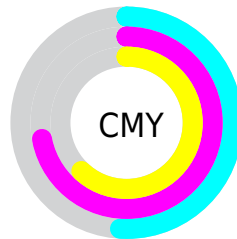
- Red (49%)
- Green (28%)
- Blue (38%)



- Red (49%)
- Yellow (28%)
- Blue (38%)



- Cyan (0%)
- Magenta (42%)
- Yellow (22%)
- Black (51%)



- Cyan (51%)
- Magenta (72%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9794, 9.8765, 12.7775 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 12.9794, 9.8765, 12.7775 by changing the saturation by 10% instead.

■ 12.9794, 9.8765,
12.7775

■ 12.9794, 9.8765,
12.7775

204.4259,
189.7883, 220.6442

■ 7.4913, 5.3171,
7.1466

■ 30.8684, 25.5630,
31.5888

■ 3.8202, 2.4345,
3.4741

■ 44.0000, 37.4588,
45.6062

■ 1.6009, 0.8436,
1.3415

■ 60.4101, 52.5690,
63.2563

■ 0.3930, 0.0000,
0.0955

■ 80.4641, 71.2779,
84.9574

■ 0.0000, 0.0000,
0.0000

■ 104.5273, 93.9699,
111.1283

132.9651,

121.0294, 142.1873

166.1428,
152.8407, 178.5531

■ 12.9794, 9.8765,
12.7775

■ 12.9794, 9.8765,
12.7775

■ 11.9632, 8.3062,
11.0138

■ 14.1845, 11.7860,
14.7224

■ 11.1243, 7.0533,
9.4245

■ 15.5873, 14.0519,
16.8538

■ 10.4515, 6.0960,
8.0030

■ 17.1970, 16.6918,
19.1775

■ 9.9315, 5.4087,
6.7420

■ 19.0223, 19.7218,
21.6988

■ 9.5487, 4.9615,
5.6333

■ 21.0710, 23.1571,
24.4226

■ 9.3084, 4.7004,
4.8765

■ 23.3506, 27.0120,
27.3540

■ 25.8684, 31.3001,
30.4975

■ 28.6312, 36.0345,
33.8577

■ 31.6456, 41.2276,
37.4390

Harmonies

Analogous

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



12.0547, 9.8765, 18.2958



12.9794, 9.8765, 12.7775



12.8593, 9.8765, 8.0683

Triad

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



12.9794, 9.8765, 12.7775



8.3956, 9.8765, 4.0726



7.3691, 9.8765, 19.4001

Complementary

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



12.9794, 9.8765, 12.7775



12.2587, 16.9461, 14.4300

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.



6.6044, 9.8765, 13.9775



12.9794, 9.8765, 12.7775



7.1457, 9.8765, 5.6351

Square

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



12.9794, 9.8765, 12.7775



10.0696, 9.8765, 3.9288



6.5279, 9.8765, 8.9560



8.7366, 9.8765, 22.8243

Rectangle

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



12.9794, 9.8765, 12.7775



12.2050, 9.8765, 5.9208



6.5279, 9.8765, 8.9560



7.0406, 9.8765, 17.6864

Sweetspot

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



12.9797, 9.8770, 12.7777



30.5155, 29.4287, 33.9460



11.1106, 8.7405, 20.5037



6.8134, 6.4836, 7.5397



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.9797, 9.8770, 12.7777



21.4503, 14.9158, 19.7723



11.9449, 9.4630, 7.3284



4.4088, 4.3767, 4.9573



9.7116, 4.9043, 5.0708



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9797, 9.8770, 12.7777



21.4503, 14.9158, 19.7723



13.7081, 17.5259, 22.0625



4.4088, 4.3767, 4.9573



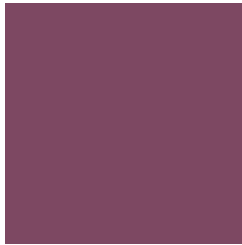
9.7116, 4.9043, 5.0708



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9794, 9.8765, 12.7775 looks on a white background.

Color Contrast Check

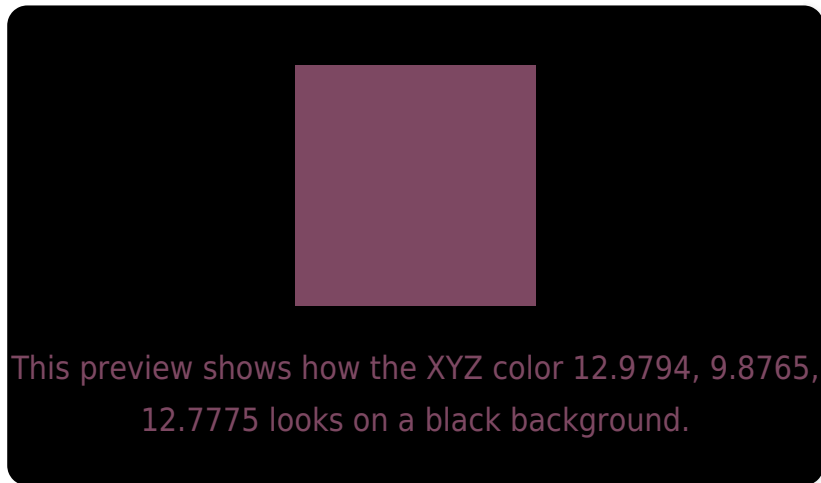
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.9794, 9.8765, 12.7775

Background



This preview shows how black text looks on a background with the XYZ color 12.9794, 9.8765, 12.7775.



This preview shows how white text looks on a background with the XYZ color 12.9794, 9.8765,

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

12.9794, 9.8765, 12.7775

Protanopia

9.9062, 9.9684, 15.8700

Deuteranopia

10.1127, 9.9147, 12.2072



Tritanopia

12.1697, 9.8372, 9.0419

Trichromacy



Original Color

12.9794, 9.8765, 12.7775

Protanomaly

10.7127, 9.7072, 14.6736

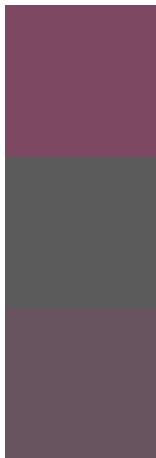
Deuteranomaly

10.9976, 9.7936, 12.3770

Tritanomaly

12.4813, 9.8708, 10.2642

Monochromacy



Original Color

12.9794, 9.8765, 12.7775

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.7842, 10.0324, 11.9577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9794, 9.8765, 12.7775 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(125, 72, 98)` looks like.

```
.text, #text, p{  
    color:rgb(125, 72, 98)  
}
```

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(125, 72, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 72, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.9794, 9.8765, 12.7775 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(125, 72, 98) }
```


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

```
.border{ border-color:rgb(125, 72, 98) }
```

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

Here you see how a box with a 4 pixel rgb(125, 72, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 72, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 72, 98);  
box-shadow:4px 4px 4px 4px rgb(125, 72,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9794, 9.8765, 12.7775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 72, 98) }
```

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

```
.background{ background-color: rgb(125, 72,  
98) }
```

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