

Converting Colors

XYZ(12.6156, 9.8262, 12.8813)

Have a look what the booklet for
XYZ(12.6156, 9.8262, 12.8813)
contains.

XYZ(12.6132, 9.7845, 12.7791)	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(12.6132, 9.7845,
12.7791)**

Conversions

Conversions Part 1

Format	Color
Hex	7A4962
RGB	122, 73, 98
RGB Percent	48%, 29%, 38%
CMY	0.5216, 0.7137, 0.6157
CMYK	0.00, 0.40, 0.20, 0.52
HSL	329°, 25%, 38%
HSV	329°, 40%, 48%
XYZ	12.6132, 9.7845, 12.7791
YIQ	90.5010, 21.1790, 18.1630

Conversions

Conversions Part 2

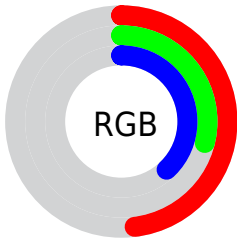
Format	Color
R_{YB}	122, 73, 98
Decimal	8014178
CIE Lab	37.45, 24.63, -5.76
CIE LCh	37, 25.299, 346.837
Yxy	9.7845, 0.3586, 0.2782
Android (android.graphics.Color)	4286204258 (0xFF7A4962)
YUV	90.5010, 3.6970, 27.6246
Hunter-Lab	31.2802, 17.2367, -2.3260

Details

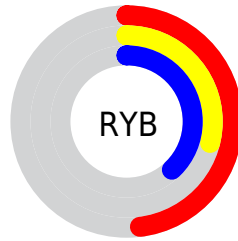
The XYZ color **12.6132, 9.7845, 12.7791** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.8653, 16.1989, 13.8113**, and the grayscale version is **9.8197, 10.3311, 11.2506**.

A 20% lighter version of the original color is **30.1870, 25.4498, 31.7550**, and **3.6843, 2.4095, 3.5197** is the 20% darker color. If you saturate the color by 10%, you get **11.6172, 8.2273, 11.1066**, and if you desaturate by 10%, it is **13.7881, 11.6656, 14.6154**.

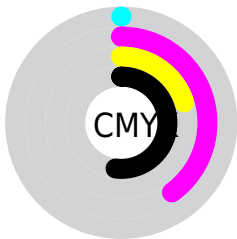
Distribution



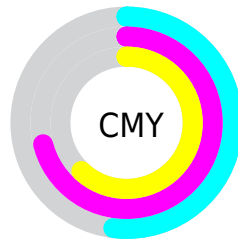
- Red (48%)
- Green (29%)
- Blue (38%)



- Red (48%)
- Yellow (29%)
- Blue (38%)



- Cyan (0%)
- Magenta (40%)
- Yellow (20%)
- Black (52%)



- Cyan (52%)
- Magenta (71%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6132, 9.7845, 12.7791 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 12.6132, 9.7845, 12.7791 by changing the saturation by 10% instead.

12.6132, 9.7845,
12.7791

12.6132, 9.7845,
12.7791

202.1117,
189.1270, 220.6549

7.2379, 5.2563,
7.1477

30.2144, 25.3894,
31.5917

3.6590, 2.3984,
3.4748

43.1710, 37.2348,
45.6100

1.5111, 0.8251,
1.3419

59.3853, 52.2882,
63.2609

0.3333, 0.0000,
0.0957

79.2229, 70.9338,
84.9631

0.0000, 0.0000,
0.0000

103.0489, 93.5561,
111.1350

131.2289,

120.5395, 142.1953

164.1280,
152.2683, 178.5624

■ 12.6132, 9.7845,
12.7791

■ 12.6132, 9.7845,
12.7791

■ 11.6172, 8.2273,
11.1066

■ 13.7881, 11.6656,
14.6154

■ 10.7896, 6.9738,
9.5918

■ 15.1500, 13.8865,
16.6201

■ 10.1199, 6.0042,
8.2291

■ 16.7075, 16.4633,
18.7982

■ 9.5962, 5.2950,
7.0120

■ 18.4684, 19.4112,
21.1545

■ 9.2047, 4.8195,
5.9334

■ 20.4400, 22.7441,
23.6933

■ 8.9023, 4.4881,
4.9894

■ 22.6294, 26.4753,
26.4190

■ 25.0431, 30.6177,
29.3357

■ 27.6875, 35.1832,
32.4473

■ 30.5688, 40.1835,
35.7577

Harmonies

Analogous

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



11.7182, 9.7845, 17.8531



12.6132, 9.7845, 12.7791



12.5510, 9.7845, 8.3091

Triad

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



12.6132, 9.7845, 12.7791



8.4404, 9.7845, 4.2693



7.3577, 9.7845, 18.4202

Complementary

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



12.6132, 9.7845, 12.7791



11.8653, 16.1989, 13.8113

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.



6.6651, 9.7845, 13.4024



12.6132, 9.7845, 12.7791



7.2395, 9.7845, 5.7083

Square

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



12.6132, 9.7845, 12.7791



10.0151, 9.7845, 4.1906



6.6244, 9.7845, 8.7780



8.6195, 9.7845, 21.6838

Rectangle

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



12.6132, 9.7845, 12.7791



11.9735, 9.7845, 6.2117



6.6244, 9.7845, 8.7780



7.0572, 9.7845, 16.8270

Sweetspot

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



12.6135, 9.7850, 12.7793



28.7808, 27.9453, 32.2302



10.7919, 8.6948, 19.5220



6.5183, 6.2860, 7.2830



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.



12.6135, 9.7850, 12.7793



20.6003, 14.7246, 19.8226



11.6388, 9.3951, 7.6468



4.0757, 4.0460, 4.5962



9.3684, 4.7235, 5.2308



44.2569, 22.3591, 22.6806

Inverse Universe

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



12.6135, 9.7850, 12.7793



20.6003, 14.7246, 19.8226



13.1700, 16.7208, 20.6816



4.0757, 4.0460, 4.5962



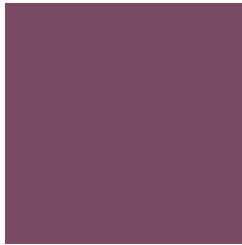
9.3684, 4.7235, 5.2308



44.2569, 22.3591, 22.6806

Previews

White Background



This preview shows how the XYZ color 12.6132, 9.7845, 12.7791 looks on a white background.

Color Contrast Check

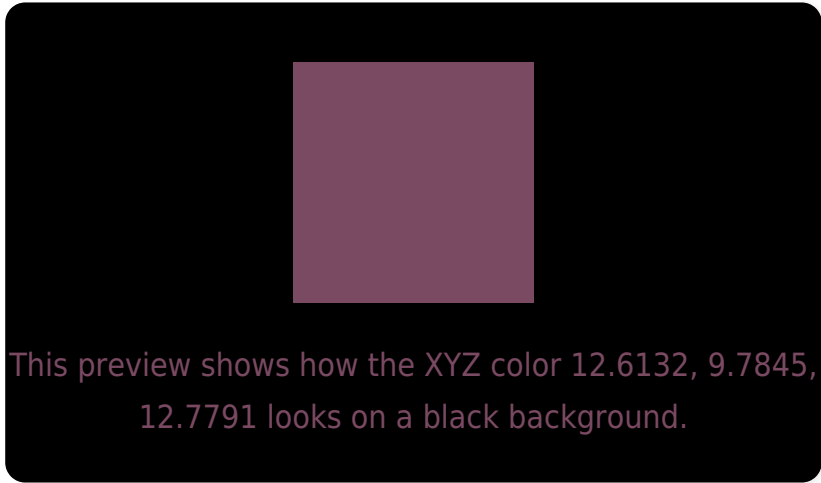
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6132, 9.7845, 12.7791

Background



This preview shows how black text looks on a background with the XYZ color 12.6132, 9.7845, 12.7791.



This preview shows how white text looks on a background with the XYZ color 12.6132, 9.7845,

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

12.6132, 9.7845, 12.7791

Protanopia

9.8527, 9.9470, 15.5880

Deuteranopia

10.0552, 9.8798, 12.4434



Tritanopia

11.8532, 9.7711, 9.2439

Trichromacy



Original Color

12.6132, 9.7845, 12.7791

Protanomaly

10.6290, 9.7827, 14.4247

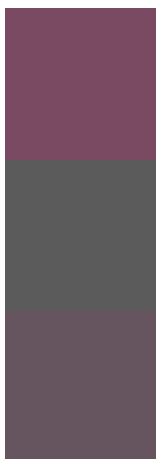
Deuteranomaly

10.8090, 9.6910, 12.6101

Tritanomaly

12.1627, 9.8017, 10.4834

Monochromacy



Original Color

12.6132, 9.7845, 12.7791

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.6702, 9.9736, 11.9524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6132, 9.7845, 12.7791 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, 73, 98)` looks like.

```
.text, #text, p{  
    color:rgb(122, 73, 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(122, 73, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 73, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.6132, 9.7845, 12.7791 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, 73, 98) }
```


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

```
.border{ border-color:rgb(122, 73, 98) }
```

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

Here you see how a box with a 4 pixel rgb(122, 73, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 73, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 73, 98);  
box-shadow:4px 4px 4px 4px rgb(122, 73,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6132, 9.7845, 12.7791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 73, 98) }
```

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

```
.background{ background-color: rgb(122, 73,  
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