

Converting Colors

XYZ(12.7255, 7.9269, 9.5121)

Have a look what the booklet for
XYZ(12.7255, 7.9269, 9.5121)
contains.

XYZ(12.6883, 7.9207, 9.4544)	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(12.6883, 7.9207,
9.4544)**

Conversions

Conversions Part 1

Format	Color
Hex	873055
RGB	135, 48, 85
RGB Percent	53%, 19%, 33%
CMY	0.4706, 0.8117, 0.6667
CMYK	0.00, 0.64, 0.37, 0.47
HSL	334°, 48%, 36%
HSV	334°, 64%, 53%
XYZ	12.6883, 7.9207, 9.4544
YIQ	78.2310, 39.9750, 29.9510

Conversions

Conversions Part 2

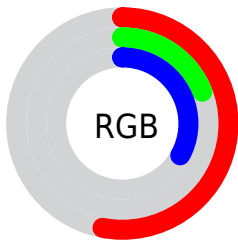
Format	Color
R_{YB}	135, 48, 85
Decimal	8859733
CIE _{Lab}	33.82, 40.81, -2.67
CIE _{LCh}	34, 40.898, 356.254
Yxy	7.9207, 0.4221, 0.2635
Android (android.graphics.Color)	4287049813 (0xFF873055)
YUV	78.2310, 3.3371, 49.7864
Hunter-Lab	28.1437, 31.2233, -0.2168

Details

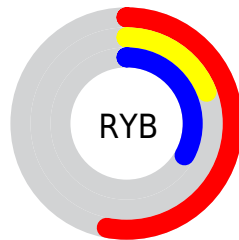
The XYZ color **12.6883, 7.9207, 9.4544** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.0880, 18.8383, 14.5556**, and the grayscale version is **7.2742, 7.6530, 8.3341**.

A 20% lighter version of the original color is **30.3209, 21.7493, 25.5216**, and **3.7763, 1.9025, 2.1757** is the 20% darker color. If you saturate the color by 10%, you get **11.9263, 6.8633, 7.7621**, and if you desaturate by 10%, it is **13.6526, 9.3286, 11.3811**.

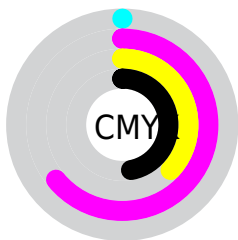
Distribution



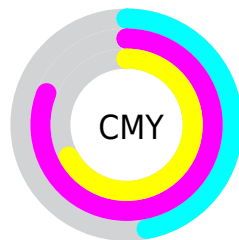
- Red (53%)
- Green (19%)
- Blue (33%)



- Red (53%)
- Yellow (19%)
- Blue (33%)



- Cyan (0%)
- Magenta (64%)
- Yellow (37%)
- Black (47%)



- Cyan (47%)
- Magenta (81%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6883, 7.9207, 9.4544 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 12.6883, 7.9207, 9.4544 by changing the saturation by 10% instead.

12.6883, 7.9207,
9.4544

12.6883, 7.9207,
9.4544

202.5885,
175.1087, 197.0736

7.2898, 4.0442,
4.9379

30.3488, 21.8028,
25.3557

3.6919, 1.6983,
2.1528

43.3414, 32.5773,
37.5775

1.5294, 0.4226,
0.6469

59.5961, 46.4199,
53.2049

0.3457, 0.0000,
0.0000

79.4783, 63.7150,
72.6563

0.0000, 0.0000,
0.0000

103.3533, 84.8471,
96.3504

131.5864,

110.2004, 124.7056

164.5430,
140.1595, 158.1405

■ 12.6883, 7.9207,
9.4544

■ 12.6883, 7.9207,
9.4544

■ 11.9263, 6.8633,
7.7621

■ 13.6526, 9.3286,
11.3811

■ 11.3491, 6.1231,
6.2927

■ 14.8335, 11.1139,
13.5519

■ 10.9350, 5.6586,
5.0336

■ 16.2446, 13.3022,
15.9763

■ 10.7404, 5.4504,
4.4106

■ 17.8981, 15.9165,
18.6630

■ 19.8053, 18.9780,
21.6203

■ 21.9770, 22.5066,
24.8562

■ 24.4232, 26.5209,
28.3782

■ 27.1532, 31.0385,
32.1936

■ 30.1761, 36.0761,
36.3092

Harmonies

Analogous

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



11.7016, 7.9207, 17.4377



12.6883, 7.9207, 9.4544



12.0827, 7.9207, 4.2419

Triad

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



12.6883, 7.9207, 9.4544



5.7814, 7.9207, 1.6222



5.3827, 7.9207, 23.4592

Complementary

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



12.6883, 7.9207, 9.4544



12.0880, 18.8383, 14.5556

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.



4.2920, 7.9207, 15.3024



12.6883, 7.9207, 9.4544



4.4881, 7.9207, 3.4313

Square

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



12.6883, 7.9207, 9.4544



7.8129, 7.9207, 1.2470



4.0001, 7.9207, 7.8443



7.2509, 7.9207, 27.6836

Rectangle

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



12.6883, 7.9207, 9.4544



10.9117, 7.9207, 2.4348



4.0001, 7.9207, 7.8443



4.9285, 7.9207, 20.9365

Sweetspot

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



12.6885, 7.9211, 9.4545



33.7069, 31.1505, 36.0163



10.3924, 6.4216, 23.6134



7.6105, 6.9006, 8.0360



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.6885, 7.9211, 9.4545



20.8764, 11.6570, 12.7255



11.8354, 7.9846, 3.7143



4.7487, 4.7191, 5.2888



9.9105, 5.0285, 4.1011



0.0379, 0.0188, 0.0328

Inverse Universe

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



12.6885, 7.9211, 9.4545



20.8764, 11.6570, 12.7255



13.4690, 18.1311, 25.7114



4.7487, 4.7191, 5.2888



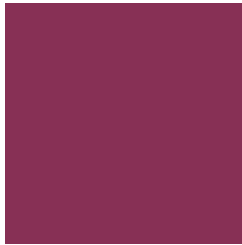
9.9105, 5.0285, 4.1011



0.0379, 0.0188, 0.0328

Previews

White Background



This preview shows how the XYZ color 12.6883, 7.9207, 9.4544 looks on a white background.

Color Contrast Check

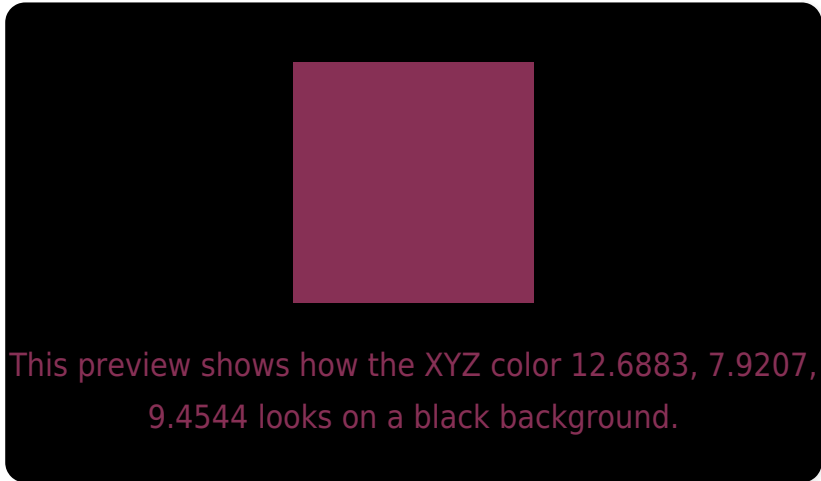
Large Text (above 18pt) WCAG AA ✓ Pass

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

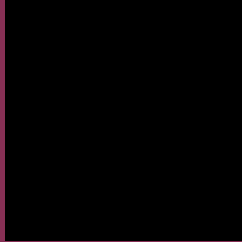
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6883, 7.9207, 9.4544

Background



This preview shows how black text looks on a background with the XYZ color 12.6883, 7.9207, 9.4544.



This preview shows how white text looks on a background with the XYZ color 12.6883, 7.9207, 9.4544.

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

12.6883, 7.9207, 9.4544

Protanopia

8.2425, 8.2131, 14.5155

Deuteranopia

8.2341, 8.1176, 8.9174



Tritanopia

11.7558, 7.9304, 4.9141

Trichromacy



Original Color

12.6883, 7.9207, 9.4544

Protanomaly

9.0956, 7.5029, 12.5241

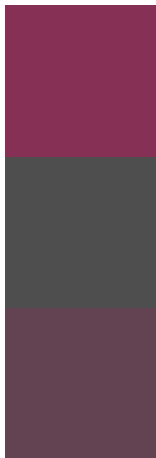
Deuteranomaly

9.3558, 7.6268, 8.9616

Tritanomaly

12.1029, 7.9417, 6.3638

Monochromacy



Original Color

12.6883, 7.9207, 9.4544

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.6379, 7.2610, 8.7308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6883, 7.9207, 9.4544 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(135, 48, 85)` looks like.

```
.text, #text, p{  
    color:rgb(135, 48, 85)  
}
```

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(135, 48, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 48, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.6883, 7.9207, 9.4544 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(135, 48, 85) }
```


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

```
.border{ border-color:rgb(135, 48, 85) }
```

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

Here you see how a box with a 4 pixel rgb(135, 48, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 48, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 48, 85);  
box-shadow:4px 4px 4px 4px rgb(135, 48,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6883, 7.9207, 9.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 48, 85) }
```

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

```
.background{ background-color: rgb(135, 48,  
85) }
```

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