

Converting Colors

XYZ(7.8651, 13.8635, 8.3761)

Have a look what the booklet for
XYZ(7.8651, 13.8635, 8.3761)
contains.

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Color

**XYZ(7.8862, 13.9008,
8.3984)**

Conversions

Conversions Part 1

Format	Color
Hex	007848
RGB	0, 120, 72
RGB Percent	0%, 47%, 28%
CMY	1.0000, 0.5294, 0.7176
CMYK	1.00, 0.00, 0.40, 0.53
HSL	156°, 100%, 24%
HSV	156°, 100%, 47%
XYZ	7.8862, 13.9008, 8.3984
YIQ	78.6480, -56.1120, -40.3680

Conversions

Conversions Part 2

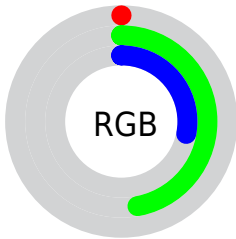
Format	Color
RYB	0, 75, 120
Decimal	30792
CIELab	44.09, -40.93, 18.47
CIELCh	44, 44.905, 155.714
Yxy	13.9008, 0.2613, 0.4605
Android (android.graphics.Color)	4278220872 (0xFF007848)
YUV	78.6480, -3.2775, -68.9743
Hunter-Lab	37.2838, -27.4906, 12.7432

Details

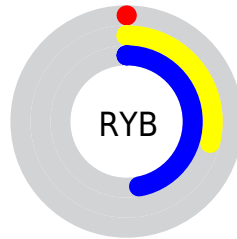
The XYZ color **7.8862, 13.9008, 8.3984** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **8.2798, 4.2069, 3.1729**, and the grayscale version is **7.3789, 7.7632, 8.4541**.

A 20% lighter version of the original color is **21.3753, 32.8041, 23.2944**, and **2.3880, 4.4594, 1.7718** is the 20% darker color. If you saturate the color by 10%, you get **7.8863, 13.9013, 8.3981**, and if you desaturate by 10%, it is **8.2010, 14.0447, 9.2632**.

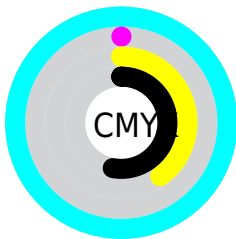
Distribution



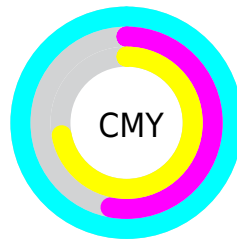
- Red (0%)
- Green (47%)
- Blue (28%)



- Red (0%)
- Yellow (29%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.8862, 13.9008, 8.3984 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 7.8862, 13.9008, 8.3984 by changing the saturation by 10% instead.


 7.8862, 13.9008,
8.3984


 7.8862, 13.9008,
8.3984


169.2260,
216.6128, 188.8741


 4.0734, 8.0517,
4.2595


 21.4226, 32.9129,
23.2948


 1.7437, 4.1280,
1.7688

 31.8769, 46.8447,
34.8893


 0.4834, 1.7454,
0.4072

 45.2758, 64.2395,
49.8062

 0.0000, 0.4528,
0.0000

 61.9846, 85.4818,
68.4639

 0.0000, 0.0000,
0.0000

 82.3687, 110.9558,
91.2810

 106.7933,

141.0461, 118.6761

135.6240,
176.1370, 151.0676

7.8862, 13.9008,
8.3984

7.8862, 13.9008,
8.3984

7.8863, 13.9013,
8.3981

8.2010, 14.0447,
9.2632

8.6015, 14.2309,
10.1970

9.1406, 14.4870,
11.2039

9.8332, 14.8209,
12.2860

10.6922, 15.2390,
13.4450

■ 11.7293, 15.7472,
14.6829

■ 12.9547, 16.3511,
16.0013

■ 14.3782, 17.0554,
17.4018

■ 16.0086, 17.8647,
18.8861

Harmonies

Analogous

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



9.5931, 13.9008, 4.1199



7.8862, 13.9008, 8.3984



7.4863, 13.9008, 17.1810

Triad

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



7.8862, 13.9008, 8.3984



13.9084, 13.9008, 44.3784



19.6142, 13.9008, 6.3087

Complementary

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



7.8862, 13.9008, 8.3984



8.2798, 4.2069, 3.1729

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.



21.2975, 13.9008, 13.2594



7.8862, 13.9008, 8.3984



17.6434, 13.9008, 37.3983

Square

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



7.8862, 13.9008, 8.3984



10.5827, 13.9008, 41.0954



20.5181, 13.9008, 24.7587



16.2450, 13.9008, 3.3505

Rectangle

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



7.8862, 13.9008, 8.3984



7.9376, 13.9008, 25.3813



20.5181, 13.9008, 24.7587



20.4212, 13.9008, 8.1016

Sweetspot

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



7.8866, 13.9014, 8.3987



22.6126, 28.6729, 27.9655



8.0324, 14.1117, 2.3007



5.1776, 6.7057, 6.4370



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.



7.8866, 13.9014, 8.3987



13.8033, 24.4223, 14.4182



8.9666, 12.5086, 19.7117



4.0424, 4.4866, 4.7569



8.5961, 15.1621, 9.1242



40.5755, 72.1532, 41.2643

Inverse Universe

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



8.2798, 4.2069, 3.1729



14.4990, 7.3734, 5.2487



7.8547, 4.2105, 0.3990



4.0586, 4.0391, 4.5061



9.0255, 4.5864, 3.4253



42.6564, 21.7189, 14.2524

Previews

White Background



This preview shows how the XYZ color 7.8862, 13.9008, 8.3984 looks on a white background.

Color Contrast Check

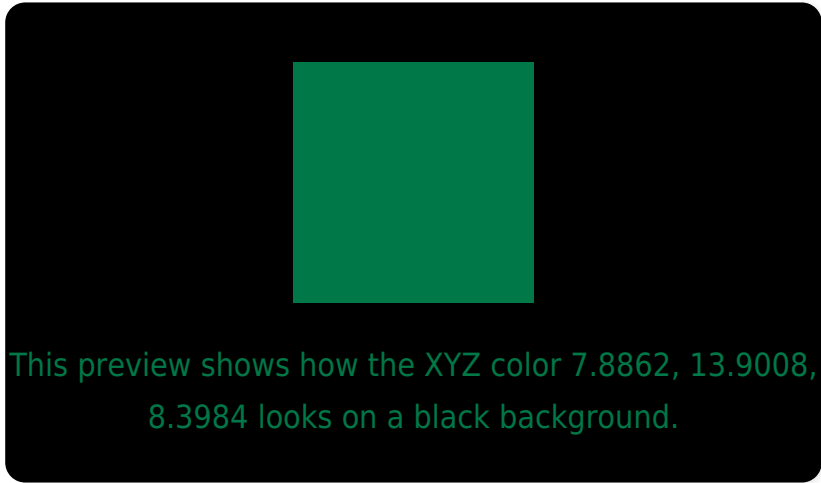
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 7.8862, 13.9008, 8.3984

Background



This preview shows how black text looks on a background with the XYZ color 7.8862, 13.9008, 8.3984.



This preview shows how white text looks on a background with the XYZ color 7.8862, 13.9008,

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

7.8862, 13.9008, 8.3984

Protanopia

12.7437, 13.8047, 7.1472

Deuteranopia

14.0651, 13.8611, 8.9553



Tritanopia

10.6312, 14.0002, 20.8809

Trichromacy



Original Color

7.8862, 13.9008, 8.3984

Protanomaly

9.2918, 12.9469, 7.4781

Deuteranomaly

9.6696, 12.6431, 8.5873

Tritanomaly

9.2230, 13.7371, 15.2621

Monochromacy



Original Color

7.8862, 13.9008, 8.3984

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

6.6226, 9.2053, 8.2652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8862, 13.9008, 8.3984 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(0, 120, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 72)  
}
```

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(0, 120, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 72) }
```

Border

The CSS property to change the border of an element to XYZ 7.8862, 13.9008, 8.3984 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(0, 120, 72) }
```


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

```
.border{ border-color:rgb(0, 120, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.8862, 13.9008, 8.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 72) }
```

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

```
.background{ background-color: rgb(0, 120,  
72) }
```

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](#).

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