

Converting Colors

XYZ(7.8297, 10.9582, 7.6844)

Have a look what the booklet for
XYZ(7.8297, 10.9582, 7.6844)
contains.

XYZ(7.8132, 10.9498, 7.6630)	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(7.8132, 10.9498,
7.6630)**

Conversions

Conversions Part 1

Format	Color
Hex	3D6647
RGB	61, 102, 71
RGB Percent	24%, 40%, 28%
CMY	0.7608, 0.6000, 0.7216
CMYK	0.40, 0.00, 0.30, 0.60
HSL	135°, 25%, 32%
HSV	135°, 40%, 40%
XYZ	7.8132, 10.9498, 7.6630
YIQ	86.2070, -14.4850, -18.3330

Conversions

Conversions Part 2

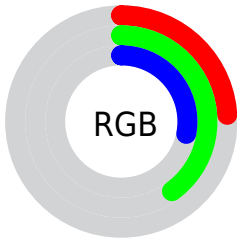
Format	Color
R_{YB}	61, 94, 102
Decimal	4023879
CIE _{Lab}	39.50, -21.80, 13.11
CIE _{LCh}	39, 25.440, 148.984
Yxy	10.9498, 0.2957, 0.4144
Android (android.graphics.Color)	4282213959 (0xFF3D6647)
YUV	86.2070, -7.4971, -22.1065
Hunter-Lab	33.0905, -15.7616, 9.4331

Details

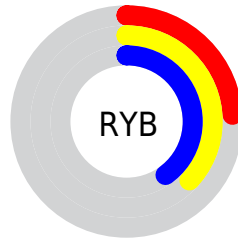
The XYZ color **7.8132, 10.9498, 7.6630** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.0804, 6.9352, 10.9857**, and the grayscale version is **8.9073, 9.3712, 10.2052**.

A 20% lighter version of the original color is **21.2118, 27.4535, 21.9504**, and **1.7300, 2.8971, 1.5049** is the 20% darker color. If you saturate the color by 10%, you get **7.0121, 10.5639, 6.4145**, and if you desaturate by 10%, it is **8.7658, 11.4107, 9.0831**.

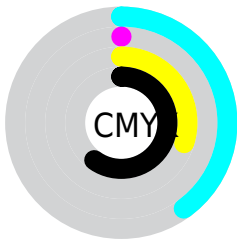
Distribution



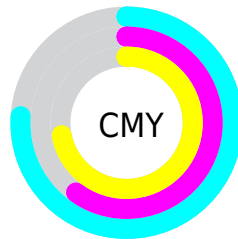
- Red (24%)
- Green (40%)
- Blue (28%)



- Red (24%)
- Yellow (37%)
- Blue (40%)



- Cyan (40%)
- Magenta (0%)
- Yellow (30%)
- Black (60%)





- Cyan (76%)
- Magenta (60%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.8132, 10.9498, 7.6630 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 7.8132, 10.9498, 7.6630 by changing the saturation by 10% instead.


 7.8132, 10.9498,
7.6630


 7.8132, 10.9498,
7.6630


168.6612,
197.3228, 182.8991


 4.0264, 6.0331,
3.7954

 21.2804, 27.5673,
21.8302


 1.7171, 2.8652,
1.5138


 31.6915, 40.0369,
32.9670

 0.4669, 1.0618,
0.2282

 45.0414, 55.7929,
47.3639

 0.0000, 0.0000,
0.0000

 61.6956, 75.2197,
65.4394

 82.0193, 98.7017,
87.6122

 106.3779,

126.6233, 114.3007

135.1367,
159.3689, 145.9235

■ 7.8132, 10.9498,
7.6630

■ 7.8132, 10.9498,
7.6630

■ 7.0121, 10.5639,
6.4145

■ 8.7658, 11.4107,
9.0831

■ 6.3537, 10.2478,
5.3305

■ 9.8764, 11.9491,
10.6802

■ 5.8295, 9.9975,
4.4041

■ 11.1521, 12.5687,
12.4605


■ 5.4298, 9.8082,
3.6281


■ 12.5995, 13.2727,
14.4294


■ 5.1435, 9.6744,
2.9943


■ 14.2247, 14.0644,
16.5924

 4.9257, 9.5728,
2.5010

 16.0334, 14.9464,
18.9545

 18.0313, 15.9216,
21.5208

 20.2236, 16.9926,
24.2958

 22.6154, 18.1620,
27.2844

Harmonies

Analogous

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



8.8799, 10.9498, 5.3886



7.8132, 10.9498, 7.6630



7.4280, 10.9498, 11.7546

Triad

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



7.8132, 10.9498, 7.6630



10.3487, 10.9498, 24.1822



13.5907, 10.9498, 7.8826

Complementary

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



7.8132, 10.9498, 7.6630



9.0804, 6.9352, 10.9857

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.



14.0930, 10.9498, 12.0919



7.8132, 10.9498, 7.6630



12.1008, 10.9498, 22.3258

Square

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



7.8132, 10.9498, 7.6630



8.7885, 10.9498, 22.0706



13.5205, 10.9498, 17.5246



12.2139, 10.9498, 5.4885

Rectangle

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



7.8132, 10.9498, 7.6630



7.5727, 10.9498, 15.2913



13.5205, 10.9498, 17.5246



13.8737, 10.9498, 9.0888

Sweetspot

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



7.8135, 10.9503, 7.6632



19.0519, 21.7960, 21.1538



10.0512, 12.1379, 6.2281



4.4509, 5.1207, 4.9299



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



7.8135, 10.9503, 7.6632



12.4026, 18.5768, 11.4176



8.5674, 11.2518, 11.6333



2.8220, 3.1526, 3.1643



6.3117, 12.2883, 3.1371



32.6182, 63.9698, 14.7776

Inverse Universe

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



9.0804, 6.9352, 10.9857



14.9504, 10.4905, 18.0900



8.3161, 6.6295, 6.9610



2.9088, 2.8782, 3.3923



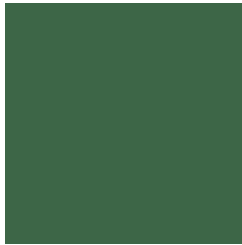
8.7480, 4.3122, 9.3372



45.2682, 22.3473, 46.8172

Previews

White Background



This preview shows how the XYZ color 7.8132, 10.9498, 7.6630 looks on a white background.

Color Contrast Check

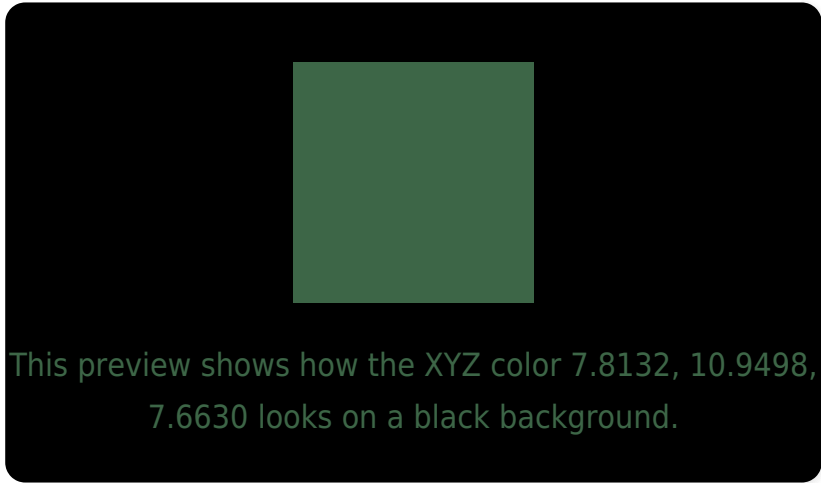
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.8132, 10.9498, 7.6630

Background



This preview shows how black text looks on a background with the XYZ color 7.8132, 10.9498, 7.6630.



This preview shows how white text looks on a background with the XYZ color 7.8132, 10.9498,

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

7.8132, 10.9498, 7.6630

Protanopia

10.1830, 10.9433, 6.8858

Deuteranopia

10.9928, 10.8273, 7.9891



Tritanopia

9.3014, 10.9842, 14.9945

Trichromacy



Original Color

7.8132, 10.9498, 7.6630

Protanomaly

9.0640, 10.7615, 7.0683

Deuteranomaly

9.5197, 10.7106, 7.8689

Tritanomaly

8.6176, 10.8378, 11.9936

Monochromacy



Original Color

7.8132, 10.9498, 7.6630

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.3729, 9.8262, 9.2399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8132, 10.9498, 7.6630 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(61, 102, 71)` looks like.

```
.text, #text, p{  
    color:rgb(61, 102, 71)  
}
```

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(61, 102, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 102, 71) }
```

Border

The CSS property to change the border of an element to XYZ 7.8132, 10.9498, 7.6630 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(61, 102, 71) }
```


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

```
.border{ border-color:rgb(61, 102, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 102, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 102, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 102, 71);  
box-shadow:4px 4px 4px 4px rgb(61, 102,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8132, 10.9498, 7.6630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 102, 71) }
```

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

```
.background{ background-color: rgb(61, 102,  
71) }
```

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