

Converting Colors

XYZ(7.0133, 10.1640, 7.9185)

Have a look what the booklet for
XYZ(7.0133, 10.1640, 7.9185)
contains.

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Color

**XYZ(6.9798, 10.0828,
7.8816)**

Conversions

Conversions Part 1

Format	Color
Hex	326349
RGB	50, 99, 73
RGB Percent	20%, 39%, 29%
CMY	0.8039, 0.6118, 0.7137
CMYK	0.49, 0.00, 0.26, 0.61
HSL	148°, 33%, 29%
HSV	148°, 49%, 39%
XYZ	6.9798, 10.0828, 7.8816
YIQ	81.3850, -20.8580, -18.4740

Conversions

Conversions Part 2

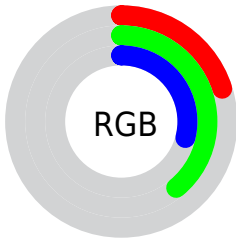
Format	Color
RYB	50, 83, 99
Decimal	3302217
CIELab	37.99, -23.34, 9.74
CIElCh	38, 25.286, 157.355
Yxy	10.0828, 0.2798, 0.4042
Android (android.graphics.Color)	4281492297 (0xFF326349)
YUV	81.3850, -4.1338, -27.5246
Hunter-Lab	31.7534, -16.3320, 7.5109

Details

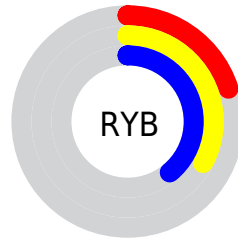
The XYZ color **6.9798, 10.0828, 7.8816** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.5910, 5.4559, 7.4908**, and the grayscale version is **7.9084, 8.3203, 9.0608**.

A 20% lighter version of the original color is **19.6747, 25.9272, 22.3798**, and **1.4498, 2.5447, 1.5772** is the 20% darker color. If you saturate the color by 10%, you get **6.3767, 9.7914, 6.9824**, and if you desaturate by 10%, it is **7.7038, 10.4353, 8.8638**.

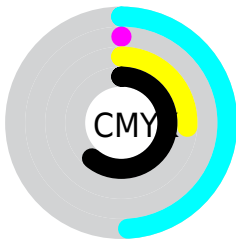
Distribution



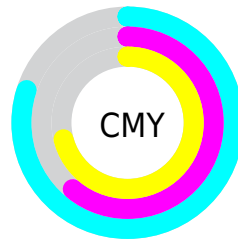
- Red (20%)
- Green (39%)
- Blue (29%)



- Red (20%)
- Yellow (33%)
- Blue (39%)



- Cyan (49%)
- Magenta (0%)
- Yellow (26%)
- Black (61%)



- Cyan (80%)
- Magenta (61%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.9798, 10.0828, 7.8816 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 6.9798, 10.0828, 7.8816 by changing the saturation by 10% instead.

6.9798, 10.0828,
7.8816

6.9798, 10.0828,
7.8816

162.0441,
191.2620, 184.7002

3.4957, 5.4539,
3.9326

19.6377, 25.9511,
22.2683

1.4210, 2.5160,
1.5884

29.5422, 37.9593,
33.5431

0.2711, 0.8846,
0.2825

42.3175, 53.1961,
48.0970

0.0000, 0.0000,
0.0000

58.3290, 72.0458,
66.3483

77.9421, 94.8928,
88.7158

101.5220,

122.1216, 115.6179

129.4342,
154.1166, 147.4732

■ 6.9798, 10.0828,
7.8816

■ 6.9798, 10.0828,
7.8816

■ 6.3767, 9.7914,
6.9824

■ 7.7038, 10.4353,
8.8638

■ 5.8864, 9.5563,
6.1632

■ 8.5545, 10.8511,
9.9303

■ 5.5012, 9.3737,
5.4219

■ 9.5382, 11.3338,
11.0835

■ 5.2118, 9.2390,
4.7560

■ 10.6608, 11.8862,
12.3253

■ 4.9760, 9.1304,
4.1614

■ 11.9275, 12.5110,
13.6577

■ 4.9645, 9.1250,
4.1332

■ 13.3435, 13.2109,
15.0824

■ 14.9134, 13.9882,
16.6013

■ 16.6421, 14.8454,
18.2161

■ 18.5338, 15.7847,
19.9285

Harmonies

Analogous

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



7.8102, 10.0828, 5.2920



6.9798, 10.0828, 7.8816



6.8071, 10.0828, 12.1641

Triad

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



6.9798, 10.0828, 7.8816



9.9889, 10.0828, 22.4564



12.2872, 10.0828, 6.3956

Complementary

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



6.9798, 10.0828, 7.8816



7.5910, 5.4559, 7.4908

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.



13.0274, 10.0828, 9.8725



6.9798, 10.0828, 7.8816



11.6065, 10.0828, 19.7360

Square

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



6.9798, 10.0828, 7.8816



8.4303, 10.0828, 21.4782



12.7652, 10.0828, 14.7958



10.8372, 10.0828, 4.6186

Rectangle

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



6.9798, 10.0828, 7.8816



7.0680, 10.0828, 15.6239



12.7652, 10.0828, 14.7958



12.6343, 10.0828, 7.3593

Sweetspot

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



6.9801, 10.0832, 7.8818



17.1158, 19.8126, 19.8604



8.0290, 10.6964, 4.6591



4.0048, 4.6781, 4.6498



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



6.9801, 10.0832, 7.8818



10.8287, 16.7433, 11.8035



7.9523, 10.4721, 13.0017



2.5880, 2.8740, 2.9906



6.4512, 11.8865, 5.2821



34.0249, 63.3249, 25.9081

Inverse Universe

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



7.5910, 5.4559, 7.4908



12.0075, 7.8072, 11.0431



6.8980, 5.1787, 3.8418



2.6229, 2.6101, 2.9685



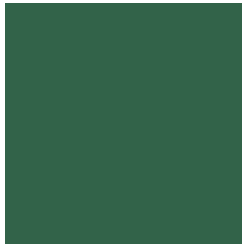
7.5110, 3.7792, 4.5445



39.6766, 20.0101, 21.9149

Previews

White Background



This preview shows how the XYZ color 6.9798, 10.0828, 7.8816 looks on a white background.

Color Contrast Check

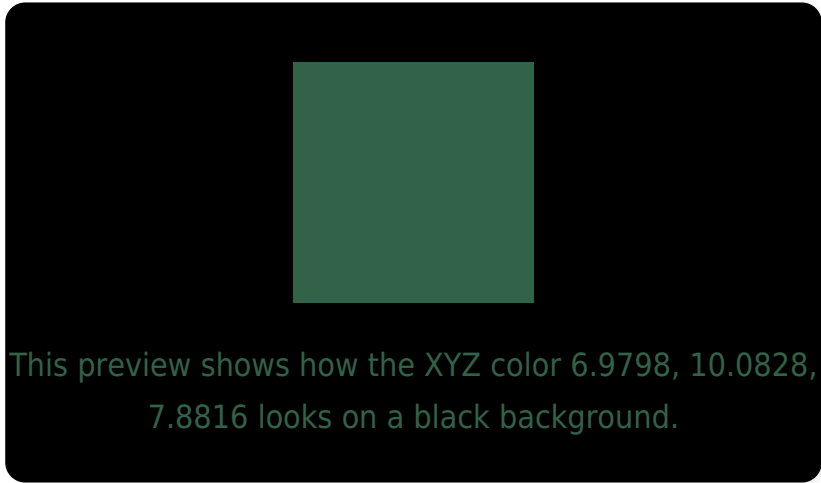
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.9798, 10.0828, 7.8816

Background



This preview shows how black text looks on a background with the XYZ color 6.9798, 10.0828, 7.8816.



This preview shows how white text looks on a background with the XYZ color 6.9798, 10.0828,

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

6.9798, 10.0828, 7.8816

Protanopia

9.3351, 9.9950, 6.9061

Deuteranopia

10.1118, 10.0022, 8.2351



Tritanopia

8.2853, 10.0632, 14.3377

Trichromacy



Original Color

6.9798, 10.0828, 7.8816

Protanomaly

8.2443, 9.9332, 7.2771

Deuteranomaly

8.5784, 9.8292, 8.1017

Tritanomaly

7.6902, 9.9507, 11.6406

Monochromacy



Original Color

6.9798, 10.0828, 7.8816

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.3907, 8.8316, 8.5229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.9798, 10.0828, 7.8816 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(50, 99, 73)` looks like.

```
.text, #text, p{  
    color:rgb(50, 99, 73)  
}
```

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(50, 99, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 99, 73) }
```

Border

The CSS property to change the border of an element to XYZ 6.9798, 10.0828, 7.8816 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(50, 99, 73) }
```


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

```
.border{ border-color:rgb(50, 99, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 99, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 99, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 99, 73);  
box-shadow:4px 4px 4px 4px rgb(50, 99, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.9798, 10.0828, 7.8816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 99, 73) }
```

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

```
.background{ background-color: rgb(50, 99,  
73) }
```

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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