

# Converting Colors

XYZ(26.7749, 33.3910, 34.7397)

Have a look what the booklet for  
XYZ(26.7749, 33.3910, 34.7397)  
contains.

<b>XYZ(26.7749, 33.3910, 34.7397)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(26.7749, 33.3910,  
34.7397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76A698
RGB	118, 166, 152
RGB Percent	46%, 65%, 60%
CMY	0.5372, 0.3490, 0.4039
CMYK	0.29, 0.00, 0.08, 0.35
HSL	162°, 21%, 56%
HSV	162°, 29%, 65%
XYZ	26.7749, 33.3910, 34.7397
YIQ	150.0520, -24.1140, -14.5300

# Conversions

## Conversions Part 2

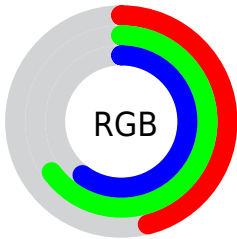
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 146, 166
Decimal	7775896
CIELab	64.48, -19.11, 2.09
CIELCh	64, 19.226, 173.763
Yxy	33.3910, 0.2821, 0.3518
Android (android.graphics.Color)	4285965976 (0xFF76A698)
YUV	150.0520, 0.9604, -28.1096
Hunter-Lab	57.7849, -18.4149, 4.8049

# Details

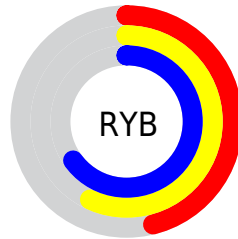
The XYZ color **26.7749, 33.3910, 34.7397** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **26.3703, 22.7306, 24.8286**, and the grayscale version is **29.0156, 30.5267, 33.2435**.

A 20% lighter version of the original color is **53.7916, 64.8271, 68.0703**, and **10.7502, 14.2032, 14.4868** is the 20% darker color. If you saturate the color by 10%, you get **24.3276, 32.1752, 32.5975**, and if you desaturate by 10%, it is **29.6370, 34.8206, 36.9873**.

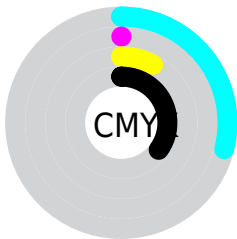
# Distribution



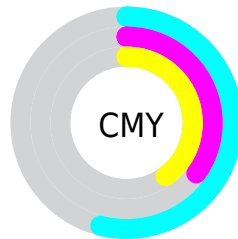
- Red (46%)
- Green (65%)
- Blue (60%)



- Red (46%)
- Yellow (57%)
- Blue (65%)



- Cyan (29%)
- Magenta (0%)
- Yellow (8%)
- Black (35%)



- Cyan (54%)
- Magenta (35%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7749, 33.3910, 34.7397 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 26.7749, 33.3910, 34.7397 by changing the saturation by 10% instead.



■ 26.7749, 33.3910,  
34.7397

■ 26.7749, 33.3910,  
34.7397

278.7530,  
317.4079, 338.2872

■ 17.5399, 22.4261,  
23.1805

■ 53.9449, 64.9855,  
68.2293

■ 10.7179, 14.1704,  
14.5203

■ 72.6106, 86.3839,  
90.9968

■ 5.9434, 8.2392,  
8.3405

■ 95.1507, 112.0290,  
118.3374

■ 2.8510, 4.2484,  
4.2227

121.9304,  
142.3051, 150.6698

■ 1.0755, 1.8135,  
1.7483

153.3151,  
177.5967, 188.4124

■ 0.0044, 0.4955,  
0.3935

189.6703,

■ 0.0000, 0.0000,

218.2881, 231.9838

0.0000

231.3611,  
264.7637, 281.8026

■ 26.7749, 33.3910,  
34.7397

■ 26.7749, 33.3910,  
34.7397

■ 24.3276, 32.1752,  
32.5975

■ 29.6370, 34.8206,  
36.9873

■ 22.2714, 31.1582,  
30.5563

■ 32.9306, 36.4698,  
39.3400

■ 20.5842, 30.3296,  
28.6150

■ 36.6747, 38.3494,  
41.8002

■ 19.2408, 29.6765,  
26.7713

■ 40.8867, 40.4683,  
44.3697

■ 18.2124, 29.1840,  
25.0228

■ 45.5826, 42.8346,  
47.0502

■ 17.4657, 28.8349,  
23.3668

■ 50.7780, 45.4565,  
49.8434

■ 16.9356, 28.5958,  
21.7993

■ 56.4875, 48.3414,  
52.7508

■ 16.8820, 28.5717,  
21.6342

■ 62.7253, 51.4967,  
55.7740

■ 64.7931, 52.5002,  
58.6940

# Harmonies

## Analogous

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



27.6681, 33.3910, 28.1349



26.7749, 33.3910, 34.7397



27.1482, 33.3910, 42.7935

# Triad

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



26.7749, 33.3910, 34.7397



33.9114, 33.3910, 52.0177



34.9600, 33.3910, 25.4786

# Complementary

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



26.7749, 33.3910, 34.7397



26.3703, 22.7306, 24.8286

# 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.



36.8161, 33.3910, 30.6008



26.7749, 33.3910, 34.7397



36.1867, 33.3910, 46.0430

# Square

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



26.7749, 33.3910, 34.7397



31.1672, 33.3910, 53.5457



37.2775, 33.3910, 38.0240



32.3139, 33.3910, 23.3075



# Rectangle

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



26.7749, 33.3910, 34.7397



28.0764, 33.3910, 47.8447



37.2775, 33.3910, 38.0240



35.7030, 33.3910, 26.8734

# Sweetspot

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



26.7758, 33.3924, 34.7405



59.6033, 66.1061, 71.2856



26.4856, 33.5197, 22.2140



13.1393, 14.6937, 15.8152



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



26.7758, 33.3924, 34.7405



45.5214, 59.0728, 60.4084



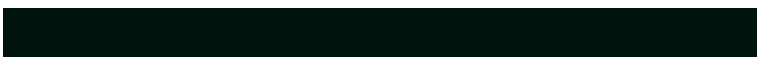
26.3109, 30.5174, 40.5817



7.6529, 8.4942, 9.1582



13.1116, 22.1634, 16.8863



0.3396, 0.5475, 0.5194



# Inverse Universe

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



26.3703, 22.7306, 24.8286



44.6616, 36.3750, 39.3252



26.6640, 24.7501, 20.5119



7.6178, 7.5770, 8.3044



12.6333, 6.4620, 2.8806



0.3293, 0.1660, 0.1856



# Previews

## White Background



This preview shows how the XYZ color 26.7749, 33.3910, 34.7397 looks on a white 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



# Black Background



This preview shows how the XYZ color 26.7749, 33.3910, 34.7397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

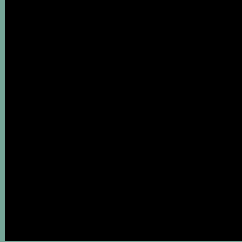
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 26.7749, 33.3910, 34.7397**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.7749, 33.3910, 34.7397.



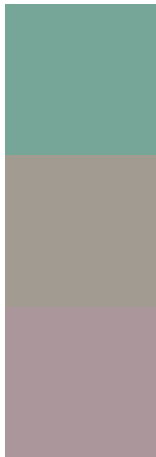
This preview shows how white text looks on a background with the XYZ color 26.7749, 33.3910,



# 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

26.7749, 33.3910, 34.7397

### Protanopia

31.6076, 33.0951, 31.9162

### Deuteranopia

33.7776, 33.1577, 35.6302



## Tritanopia

29.1020, 33.5399, 46.0143

# Trichromacy



## Original Color

26.7749, 33.3910, 34.7397

## Protanomaly

29.4205, 32.9541, 32.8271

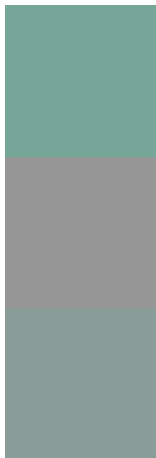
## Deuteranomaly

30.6701, 32.7854, 35.2836

## Tritanomaly

28.1357, 33.4059, 41.5243

# Monochromacy



## Original Color

26.7749, 33.3910, 34.7397

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

27.9556, 31.4146, 33.8684

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.7749, 33.3910, 34.7397 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(118, 166, 152)` looks like.

```
.text, #text, p{  
    color:rgb(118, 166, 152)  
}
```

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(118, 166, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 166, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 26.7749, 33.3910, 34.7397 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(118, 166, 152) }
```



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

```
.border{ border-color:rgb(118, 166, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 166, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 166, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 166, 152);  
box-shadow:4px 4px 4px 4px rgb(118, 166,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.7749, 33.3910, 34.7397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 166, 152) }
```

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

```
.background{ background-color: rgb(118,  
166, 152) }
```

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