

# Converting Colors

XYZ(33.7511, 46.6740, 39.1284)

Have a look what the booklet for  
XYZ(33.7511, 46.6740, 39.1284)  
contains.

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# Color

**XYZ(33.7511, 46.6740,  
39.1284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76C69D
RGB	118, 198, 157
RGB Percent	46%, 78%, 62%
CMY	0.5372, 0.2235, 0.3843
CMYK	0.40, 0.00, 0.21, 0.22
HSL	149°, 41%, 62%
HSV	149°, 40%, 78%
XYZ	33.7511, 46.6740, 39.1284
YIQ	169.4060, -34.5190, -29.7110

# Conversions

## Conversions Part 2

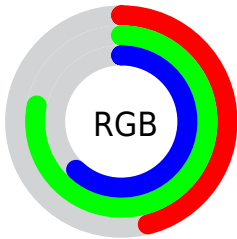
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 172, 198
Decimal	7784093
CIELab	73.98, -33.78, 12.95
CIELCh	74, 36.177, 159.029
Yxy	46.6740, 0.2823, 0.3904
Android (android.graphics.Color)	4285974173 (0xFF76C69D)
YUV	169.4060, -6.1162, -45.0831
Hunter-Lab	68.3184, -31.3734, 13.8653

# Details

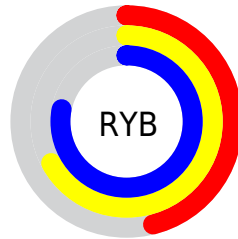
The XYZ color **33.7511, 46.6740, 39.1284** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.0267, 27.4670, 36.2056**, and the grayscale version is **37.9558, 39.9325, 43.4865**.

A 20% lighter version of the original color is **64.8772, 85.1577, 75.3050**, and **14.6891, 22.0771, 17.1228** is the 20% darker color. If you saturate the color by 10%, you get **30.5087, 45.0997, 34.6408**, and if you desaturate by 10%, it is **37.6324, 48.5718, 44.0237**.

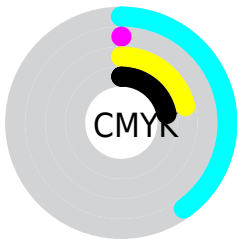
# Distribution



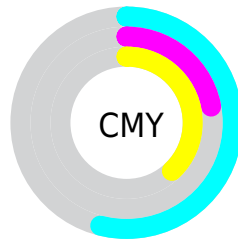
- Red (46%)
- Green (78%)
- Blue (62%)



- Red (46%)
- Yellow (67%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)



- Cyan (54%)
- Magenta (22%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7511, 46.6740, 39.1284 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 33.7511, 46.6740, 39.1284 by changing the saturation by 10% instead.



■ 33.7511, 46.6740,  
39.1284

■ 33.7511, 46.6740,  
39.1284

310.6263,  
373.5118, 357.8783

■ 22.8644, 32.7780,  
26.5510

■ 64.8933, 85.2268,  
75.0569

■ 14.6136, 21.9564,  
17.0069

■ 85.8795, 110.6524,  
99.2452

■ 8.6332, 13.8249,  
10.0774

■ 110.9630,  
140.6900, 128.1408

■ 4.5579, 7.9990,  
5.3440

140.5090,  
175.7240, 162.1623

■ 2.0223, 4.0943,  
2.3882

174.8830,  
216.1388, 201.7283

■ 0.6465, 1.7264,  
0.7800

214.4503,

■ 0.0000, 0.4407,

262.3187, 247.2573

0.0000

259.5763,  
314.6483, 299.1678

■ 0.0000, 0.0000,  
0.0000

■ 33.7511, 46.6740,  
39.1284

■ 33.7511, 46.6740,  
39.1284

■ 30.5087, 45.0997,  
34.6408

■ 37.6324, 48.5718,  
44.0237

■ 27.8641, 43.8242,  
30.5467

■ 42.1830, 50.8049,  
49.3337

■ 25.7770, 42.8283,  
26.8360


■ 47.4358, 53.3913,  
55.0696


■ 24.2004, 42.0878,  
23.4965

■ 53.4204, 56.3461,  
61.2410


■ 23.0786, 41.5743,  
20.5154


■ 60.1647, 59.6835,  
67.8570

 22.3304, 41.2440,  
17.9772

 67.6951, 63.4169,  
74.9267

 75.4437, 67.2534,  
82.4310

 76.8948, 67.8338,  
90.0723

 78.4300, 68.4479,  
98.1565

# Harmonies

## Analogous

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



36.9954, 46.6740, 27.9031



33.7511, 46.6740, 39.1284



33.1971, 46.6740, 56.6058

# Triad

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



33.7511, 46.6740, 39.1284



46.3390, 46.6740, 94.6383



54.7212, 46.6740, 31.5592

# Complementary

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



33.7511, 46.6740, 39.1284



36.0267, 27.4670, 36.2056

# 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.



57.7862, 46.6740, 45.4426



33.7511, 46.6740, 39.1284



52.6474, 46.6740, 83.7428

# Square

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



33.7511, 46.6740, 39.1284



40.0660, 46.6740, 91.7699



56.9925, 46.6740, 64.6355



48.9551, 46.6740, 24.3269



# Rectangle

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



33.7511, 46.6740, 39.1284



34.3692, 46.6740, 70.0972



56.9925, 46.6740, 64.6355



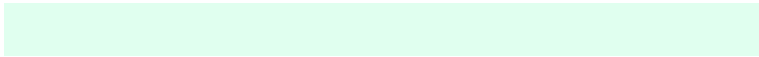
56.1258, 46.6740, 35.4470

# Sweetspot

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



33.7524, 46.6759, 39.1295



82.2515, 93.6820, 95.6545



37.8299, 49.1032, 24.6242



17.3320, 19.9172, 20.1802



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

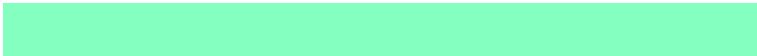


# Same Dimension

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



33.7524, 46.6759, 39.1295



54.9140, 80.2917, 62.6287



37.7067, 48.2576, 59.9528



10.7093, 11.9726, 12.4194



14.5644, 26.8381, 11.9167



0.7262, 1.2854, 0.7568



# Inverse Universe

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



36.0267, 27.4670, 36.2056



59.4608, 41.8809, 56.7766



33.1183, 26.3036, 20.8902



10.8569, 10.7262, 12.2300



16.7315, 8.4422, 9.0619



0.8288, 0.4143, 0.6214



# Previews

## White Background



This preview shows how the XYZ color 33.7511, 46.6740, 39.1284 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 33.7511, 46.6740, 39.1284 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

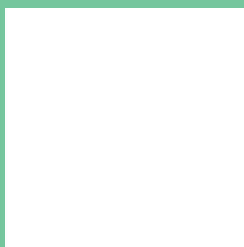
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.7511, 46.6740, 39.1284**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.7511, 46.6740, 39.1284.



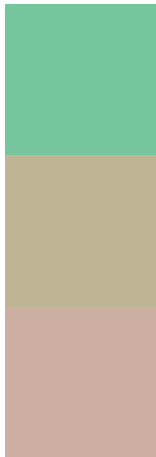
This preview shows how white text looks on a background with the XYZ color 33.7511, 46.6740,



# 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

33.7511, 46.6740, 39.1284

### Protanopia

43.3550, 46.2622, 34.6614

### Deuteranopia

46.8345, 45.8599, 40.5658



## Tritanopia

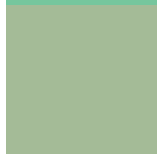
39.0992, 46.5124, 65.9485

# Trichromacy



## Original Color

33.7511, 46.6740, 39.1284



## Protanomaly

38.6661, 45.6675, 36.0550



## Deuteranomaly

40.5122, 45.2893, 39.8642



## Tritanomaly

37.0813, 46.6933, 55.2024

# Monochromacy



## Original Color

33.7511, 46.6740, 39.1284



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

35.6905, 41.8432, 41.7928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.7511, 46.6740, 39.1284 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, 198, 157)` looks like.

```
.text, #text, p{  
    color:rgb(118, 198, 157)  
}
```

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, 198, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 198, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 33.7511, 46.6740, 39.1284 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, 198, 157) }
```



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

```
.border{ border-color:rgb(118, 198, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 198, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 198, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 198, 157);  
box-shadow:4px 4px 4px 4px rgb(118, 198,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.7511, 46.6740, 39.1284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 198, 157) }
```

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

```
.background{ background-color: rgb(118,  
198, 157) }
```

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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