

Converting Colors

XYZ(33.3911, 41.0698, 49.9499)

Have a look what the booklet for
XYZ(33.3911, 41.0698, 49.9499)
contains.

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Color

**XYZ(33.3806, 41.0772,
49.8854)**

Conversions

Conversions Part 1

Format	Color
Hex	7CB6B5
RGB	124, 182, 181
RGB Percent	49%, 71%, 71%
CMY	0.5137, 0.2863, 0.2902
CMYK	0.32, 0.00, 0.01, 0.29
HSL	179°, 28%, 60%
HSV	179°, 32%, 71%
XYZ	33.3806, 41.0772, 49.8854
YIQ	164.5440, -34.2470, -12.6070

Conversions

Conversions Part 2

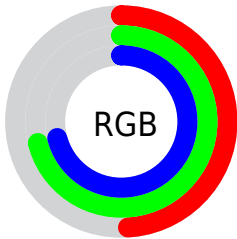
Format	Color
RYB	124, 153, 182
Decimal	8173237
CIELab	70.23, -18.91, -5.51
CIElCh	70, 19.700, 196.242
Yxy	41.0772, 0.2685, 0.3304
Android (android.graphics.Color)	4286363317 (0xFF7CB6B5)
YUV	164.5440, 8.1128, -35.5571
Hunter-Lab	64.0915, -19.1925, -1.2841

Details

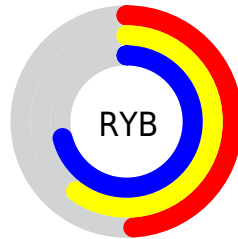
The XYZ color **33.3806, 41.0772, 49.8854** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.2021, 25.8422, 22.7998**, and the grayscale version is **35.5211, 37.3709, 40.6969**.

A 20% lighter version of the original color is **64.4510, 76.8472, 91.5568**, and **14.4190, 18.6367, 23.2594** is the 20% darker color. If you saturate the color by 10%, you get **30.9574, 39.8327, 49.6046**, and if you desaturate by 10%, it is **36.2917, 42.5752, 50.1912**.

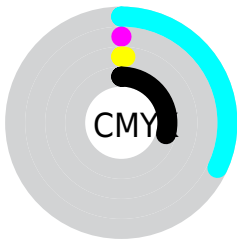
Distribution



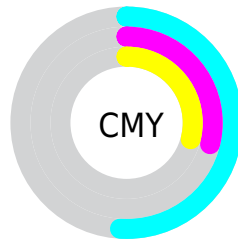
- Red (49%)
- Green (71%)
- Blue (71%)



- Red (49%)
- Yellow (60%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (51%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3806, 41.0772, 49.8854 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 33.3806, 41.0772, 49.8854 by changing the saturation by 10% instead.

■ 33.3806, 41.0772,
49.8854

■ 33.3806, 41.0772,
49.8854

308.9960,
350.6432, 402.9398

■ 22.5788, 28.3794,
34.9518

■ 64.3200, 76.8011,
91.3996

■ 14.4018, 18.6119,
23.3425

■ 85.1883, 100.5959,
118.8173

■ 8.4842, 11.3902,
14.6389

■ 110.1428,
128.8586, 151.2335

■ 4.4607, 6.3299,
8.4226

139.5489,
161.9735, 189.0666

■ 1.9659, 3.0467,
4.2749

173.7719,
200.3251, 232.7353

■ 0.6147, 1.1562,
1.7773

213.1772,

■ 0.0000, 0.0255,

244.2976, 282.6580

0.4129

258.1301,
294.2755, 339.2533

■ 0.0000, 0.0000,
0.0000

■ 33.3806, 41.0772,
49.8854

■ 33.3806, 41.0772,
49.8854

■ 30.9574, 39.8327,
49.6046

■ 36.2917, 42.5752,
50.1912

■ 28.9918, 38.8231,
49.3447

■ 39.7119, 44.3347,
50.5203

■ 27.4556, 38.0349,
49.1053

■ 43.6653, 46.3690,
50.8747

■ 26.3161, 37.4512,
48.8848

■ 48.1736, 48.6893,
51.2555

■ 25.5360, 37.0527,
48.6815

■ 53.2571, 51.3062,
51.6636

■ 25.0707, 36.8165,
48.4934

■ 58.9353, 54.2296,
52.0999

■ 24.8510, 36.7063,
48.3481

■ 65.2267, 57.4692,
52.5653

■ 66.5699, 58.1578,
52.7995

■ 66.6028, 58.1710,
52.9728

Harmonies

Analogous

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



33.3179, 41.0772, 40.6297



33.3806, 41.0772, 49.8854



34.9046, 41.0772, 58.8355

Triad

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



33.3806, 41.0772, 49.8854



43.7003, 41.0772, 58.1837



40.5377, 41.0772, 29.5843

Complementary

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



33.3806, 41.0772, 49.8854



30.2021, 25.8422, 22.7998

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.



43.4955, 41.0772, 33.0745



33.3806, 41.0772, 49.8854



45.3882, 41.0772, 49.0890

Square

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



33.3806, 41.0772, 49.8854



40.8049, 41.0772, 64.0592



45.3113, 41.0772, 39.9354



37.3319, 41.0772, 29.7360

Rectangle

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



33.3806, 41.0772, 49.8854



36.5946, 41.0772, 63.0518



45.3113, 41.0772, 39.9354



41.5975, 41.0772, 30.3473

Sweetspot

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



33.3818, 41.0788, 49.8863



73.1427, 80.9658, 91.6948



28.9616, 39.3434, 25.1371



15.9453, 17.7750, 20.2333



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.3818, 41.0788, 49.8863



57.4474, 72.8939, 90.0892



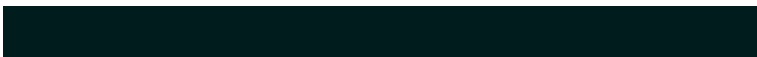
28.4671, 31.0843, 48.7574



9.2598, 10.2079, 11.5255



17.5515, 25.9215, 34.1556



0.6209, 0.9147, 1.2154

Inverse Universe

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



30.2021, 25.8422, 22.7998



50.8062, 41.0649, 33.5111



34.0083, 33.5564, 23.7542



9.0107, 9.0147, 9.4040



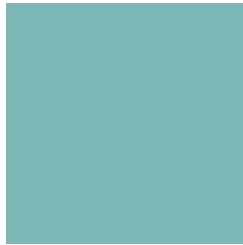
13.6381, 7.0290, 0.7151



0.4829, 0.2486, 0.0365

Previews

White Background



This preview shows how the XYZ color 33.3806, 41.0772, 49.8854 looks on a white background.

Color Contrast Check

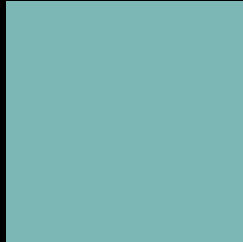
Large Text (above 18pt) WCAG AA × Fail

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 33.3806, 41.0772, 49.8854 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

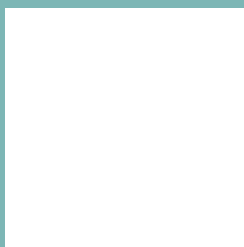
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3806, 41.0772, 49.8854

Background



This preview shows how black text looks on a background with the XYZ color 33.3806, 41.0772, 49.8854.



This preview shows how white text looks on a background with the XYZ color 33.3806, 41.0772,

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

33.3806, 41.0772, 49.8854

Protanopia

39.2483, 40.6897, 45.8297

Deuteranopia

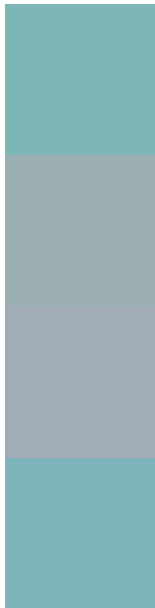
41.5794, 40.6782, 51.0076



Tritanopia

34.8113, 41.0496, 57.1276

Trichromacy



Original Color

33.3806, 41.0772, 49.8854

Protanomaly

36.5894, 40.4150, 47.4674

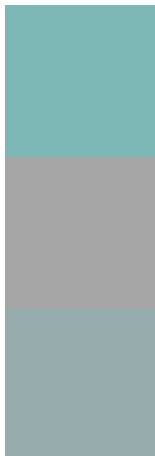
Deuteranomaly

37.9977, 40.5010, 50.6145

Tritanomaly

34.3134, 41.1575, 54.2798

Monochromacy



Original Color

33.3806, 41.0772, 49.8854

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4913, 38.5501, 44.1511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3806, 41.0772, 49.8854 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(124, 182, 181)` looks like.

```
.text, #text, p{  
    color:rgb(124, 182, 181)  
}
```

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(124, 182, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 182, 181) }
```

Border

The CSS property to change the border of an element to XYZ 33.3806, 41.0772, 49.8854 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(124, 182, 181) }
```


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

```
.border{ border-color:rgb(124, 182, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 182, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 182, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 182, 181);  
box-shadow:4px 4px 4px 4px rgb(124, 182,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3806, 41.0772, 49.8854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 182, 181) }
```

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

```
.background{ background-color: rgb(124,  
182, 181) }
```

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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