

Converting Colors

XYZ(33.8800, 40.2935, 42.5510)

Have a look what the booklet for
XYZ(33.8800, 40.2935, 42.5510)
contains.

XYZ(33.8800, 40.2935, 42.5510)	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(33.8800, 40.2935,
42.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	8DB2A7
RGB	141, 178, 167
RGB Percent	55%, 70%, 65%
CMY	0.4471, 0.3019, 0.3451
CMYK	0.21, 0.00, 0.06, 0.30
HSL	162°, 19%, 63%
HSV	162°, 21%, 70%
XYZ	33.8800, 40.2935, 42.5510
YIQ	165.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

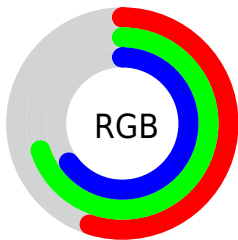
Format	Color
RYB	141, 163, 178
Decimal	9286311
CIELab	69.68, -14.78, 1.50
CIELCh	70, 14.860, 174.212
Yxy	40.2935, 0.2903, 0.3452
Android (android.graphics.Color)	4287476391 (0xFF8DB2A7)
YUV	165.6830, 0.6493, -21.6470
Hunter-Lab	63.4772, -15.8133, 4.6898

Details

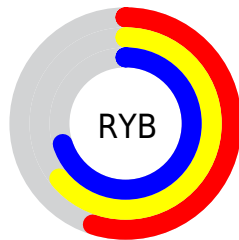
The XYZ color **33.8800, 40.2935, 42.5510** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.5539, 30.7829, 33.8808**, and the grayscale version is **36.0968, 37.9767, 41.3566**.

A 20% lighter version of the original color is **65.1133, 75.7217, 80.2911**, and **14.6446, 18.0787, 18.9373** is the 20% darker color. If you saturate the color by 10%, you get **30.6141, 38.6663, 39.8966**, and if you desaturate by 10%, it is **37.6547, 42.1828, 45.3355**.

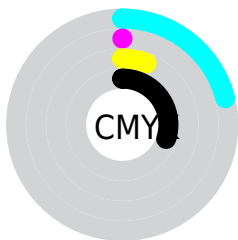
Distribution



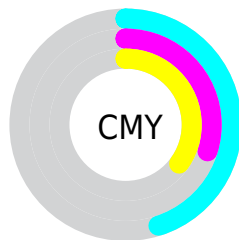
- Red (55%)
- Green (70%)
- Blue (65%)



- Red (55%)
- Yellow (64%)
- Blue (70%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (30%)



- Cyan (45%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8800, 40.2935, 42.5510 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 33.8800, 40.2935, 42.5510 by changing the saturation by 10% instead.

■ 33.8800, 40.2935,
42.5510

■ 33.8800, 40.2935,
42.5510

311.1920,
347.3591, 372.6288

■ 22.9639, 27.7675,
29.2042

■ 65.0925, 75.6102,
80.3119

■ 14.6874, 18.1504,
18.9884

■ 86.1197, 99.1697,
105.5631

■ 8.6852, 11.0580,
11.4852

■ 111.2479,
127.1758, 135.6196

■ 4.5919, 6.1059,
6.2759

140.8425,
160.0129, 170.8997

■ 2.0421, 2.9096,
2.9421

175.2688,
198.0654, 211.8222

■ 0.6575, 1.0847,
1.0651

214.8923,

■ 0.0000, 0.0000,

241.7176, 258.8055

0.0000

260.0782,
291.3541, 312.2682

■ 33.8800, 40.2935,
42.5510

■ 33.8800, 40.2935,
42.5510

■ 30.6141, 38.6663,
39.8966

■ 37.6547, 42.1828,
45.3355

■ 27.8301, 37.2842,
37.3671

■ 41.9567, 44.3405,
48.2496

■ 25.5038, 36.1358,
34.9612

■ 46.8076, 46.7788,
51.2964

■ 23.6076, 35.2069,
32.6762

■ 52.2269, 49.5078,
54.4779

■ 22.1106, 34.4816,
30.5094

■ 58.2331, 52.5369,
57.7962

■ 20.9778, 33.9418,
28.4578

■ 64.8439, 55.8752,
61.2532

■ 20.1677, 33.5663,
26.5181

■ 68.0663, 57.4643,
64.6632

■ 19.6276, 33.3248,
24.8251

■ 68.7124, 57.7227,
68.0652

■ 69.3802, 57.9898,
71.5820

Harmonies

Analogous

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



34.6687, 40.2935, 36.5767



33.8800, 40.2935, 42.5510



34.2343, 40.2935, 49.5297

Triad

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



33.8800, 40.2935, 42.5510



40.2252, 40.2935, 57.0898



41.0654, 40.2935, 33.9853

Complementary

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



33.8800, 40.2935, 42.5510



33.5539, 30.7829, 33.8808

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.



42.6707, 40.2935, 38.6639



33.8800, 40.2935, 42.5510



42.1716, 40.2935, 52.0798

Square

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



33.8800, 40.2935, 42.5510



37.8334, 40.2935, 58.4075



43.0838, 40.2935, 45.2216



38.7659, 40.2935, 31.9747

Rectangle

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



33.8800, 40.2935, 42.5510



35.0788, 40.2935, 53.7679



43.0838, 40.2935, 45.2216



41.7079, 40.2935, 35.2729

Sweetspot

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



33.8811, 40.2952, 42.5519



71.8132, 78.2628, 84.6546



33.6971, 40.4506, 31.2319



15.8003, 17.2840, 18.6804



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.8811, 40.2952, 42.5519



58.5747, 71.6404, 74.8963



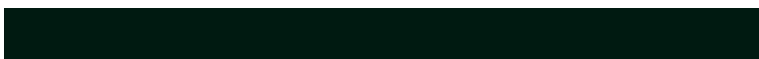
33.5092, 37.8536, 47.6617



8.6328, 9.5876, 10.3262



14.0718, 23.8547, 17.9128



0.4669, 0.7602, 0.6909

Inverse Universe

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



33.5539, 30.7829, 33.8808



57.8739, 51.2250, 56.2932



33.8219, 32.6948, 29.7282



8.5969, 8.5455, 9.3757



13.6201, 6.9656, 3.1594



0.4549, 0.2297, 0.2381

Previews

White Background



This preview shows how the XYZ color 33.8800, 40.2935, 42.5510 looks on a white background.

Color Contrast Check

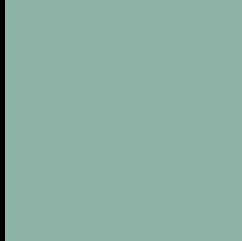
Large Text (above 18pt) WCAG AA × Fail

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 33.8800, 40.2935, 42.5510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

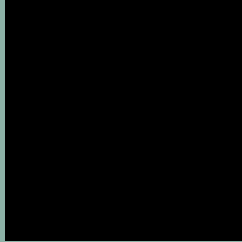
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8800, 40.2935, 42.5510

Background



This preview shows how black text looks on a background with the XYZ color 33.8800, 40.2935, 42.5510.

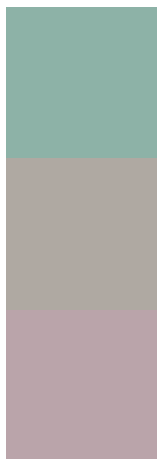


This preview shows how white text looks on a background with the XYZ color 33.8800, 40.2935,

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

33.8800, 40.2935, 42.5510

Protanopia

38.3888, 40.0985, 39.8989

Deuteranopia

40.7809, 39.8923, 43.5808



Tritanopia

36.1923, 40.3538, 54.0256

Trichromacy



Original Color

33.8800, 40.2935, 42.5510

Protanomaly

36.5576, 39.9719, 40.9105

Deuteranomaly

37.9270, 39.7866, 43.2167

Tritanomaly

35.3674, 40.3162, 49.6338

Monochromacy



Original Color

33.8800, 40.2935, 42.5510

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.1623, 38.6707, 41.6873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8800, 40.2935, 42.5510 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(141, 178, 167)` looks like.

```
.text, #text, p{  
    color:rgb(141, 178, 167)  
}
```

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(141, 178, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 178, 167) }
```

Border

The CSS property to change the border of an element to XYZ 33.8800, 40.2935, 42.5510 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(141, 178, 167) }
```


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

```
.border{ border-color:rgb(141, 178, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 178, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 178, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 178, 167);  
box-shadow:4px 4px 4px 4px rgb(141, 178,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8800, 40.2935, 42.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 178, 167) }
```

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

```
.background{ background-color: rgb(141,  
178, 167) }
```

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