

Converting Colors

XYZ(33.5117, 40.5119, 38.2483)

Have a look what the booklet for
XYZ(33.5117, 40.5119, 38.2483)
contains.

XYZ(33.4470, 40.4596, 38.3944)	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(33.4470, 40.4596,
38.3944)**

Conversions

Conversions Part 1

Format	Color
Hex	8EB39E
RGB	142, 179, 158
RGB Percent	56%, 70%, 62%
CMY	0.4431, 0.2980, 0.3804
CMYK	0.21, 0.00, 0.12, 0.30
HSL	146°, 20%, 63%
HSV	146°, 21%, 70%
XYZ	33.4470, 40.4596, 38.3944
YIQ	165.5430, -15.3110, -14.3750

Conversions

Conversions Part 2

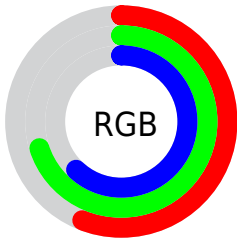
Format	Color
RYB	142, 168, 179
Decimal	9352094
CIELab	69.80, -16.81, 6.63
CIELCh	70, 18.067, 158.482
Yxy	40.4596, 0.2978, 0.3603
Android (android.graphics.Color)	4287542174 (0xFF8EB39E)
YUV	165.5430, -3.7187, -20.6472
Hunter-Lab	63.6079, -17.4529, 8.7374

Details

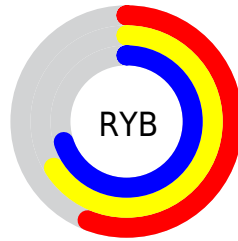
The XYZ color **33.4470, 40.4596, 38.3944** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.8757, 31.5751, 38.9086**, and the grayscale version is **36.0486, 37.9259, 41.3013**.

A 20% lighter version of the original color is **64.4835, 75.9565, 74.2132**, and **14.4291, 18.2074, 16.6638** is the 20% darker color. If you saturate the color by 10%, you get **29.7804, 38.6674, 33.8451**, and if you desaturate by 10%, it is **37.6814, 42.5384, 43.3495**.

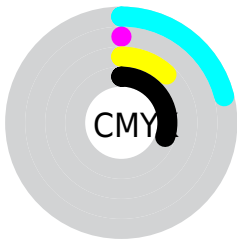
Distribution



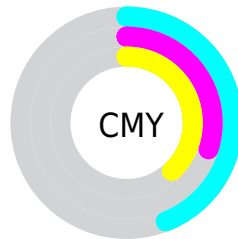
- Red (56%)
- Green (70%)
- Blue (62%)



- Red (56%)
- Yellow (66%)
- Blue (70%)



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)



- Cyan (44%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4470, 40.4596, 38.3944 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 33.4470, 40.4596, 38.3944 by changing the saturation by 10% instead.

■ 33.4470, 40.4596,
38.3944

■ 33.4470, 40.4596,
38.3944

309.2886,
348.0569, 354.6576

■ 22.6300, 27.8971,
25.9847

■ 64.4228, 75.8629,
73.9224

■ 14.4397, 18.2481,
16.5866

■ 85.3123, 99.4724,
97.8777

■ 8.5109, 11.1282,
9.7813

■ 110.2899,
127.5330, 126.5188

■ 4.4781, 6.1532,
5.1505

139.7212,
160.4292, 160.2640

■ 1.9760, 2.9384,
2.2756

173.9713,
198.5453, 199.5320

■ 0.6204, 1.0997,
0.7175

213.4057,

■ 0.0000, 0.0000,

242.2657, 244.7412

0.0000

258.3897,
291.9748, 296.3102

■ 33.4470, 40.4596,
38.3944

■ 33.4470, 40.4596,
38.3944

■ 29.7804, 38.6674,
33.8451

■ 37.6814, 42.5384,
43.3495

■ 26.6530, 37.1439,
29.6886

■ 42.5038, 44.9106,
48.7175

■ 24.0387, 35.8770,
25.9151

■ 47.9377, 47.5893,
54.5089

■ 21.9077, 34.8516,
22.5134

■ 54.0040, 50.5851,
60.7328

■ 20.2273, 34.0509,
19.4717

■ 60.7227, 53.9082,
67.3983

■ 18.9600, 33.4559,
16.7775

■ 68.1131, 57.5682,
74.5138

■ 18.0621, 33.0443,
14.4174

■ 71.5209, 59.1657,
81.8692

■ 17.4746, 32.7832,
12.5026

■ 72.9827, 59.7504,
89.5670

■ 74.5289, 60.3689,
97.7096

Harmonies

Analogous

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



35.0540, 40.4596, 32.5876



33.4470, 40.4596, 38.3944



33.1462, 40.4596, 46.4777

Triad

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



33.4470, 40.4596, 38.3944



39.2930, 40.4596, 62.0248



43.0385, 40.4596, 34.7532

Complementary

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



33.4470, 40.4596, 38.3944



34.8757, 31.5751, 38.9086

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.



44.3038, 40.4596, 41.7153



33.4470, 40.4596, 38.3944



42.0706, 40.4596, 57.9357

Square

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



33.4470, 40.4596, 38.3944



36.4252, 40.4596, 60.8410



43.9409, 40.4596, 50.2433



40.5602, 40.4596, 30.6787

Rectangle

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



33.4470, 40.4596, 38.3944



33.7114, 40.4596, 52.2084



43.9409, 40.4596, 50.2433



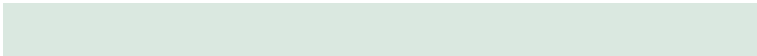
43.6254, 40.4596, 36.7956

Sweetspot

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



33.4481, 40.4613, 38.3953



71.2967, 78.0562, 81.9345



36.2280, 42.0433, 31.7975



15.6743, 17.2336, 18.0169



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.



33.4481, 40.4613, 38.3953



56.6576, 70.8736, 64.8011



35.1050, 41.1241, 47.1204



8.5365, 9.5491, 9.8186



12.3793, 23.1777, 9.0000



0.4190, 0.7411, 0.4384

Inverse Universe

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



34.8757, 31.5751, 38.9086



59.6965, 51.9541, 65.8910



33.3819, 30.9776, 31.0423



8.6916, 8.5834, 9.8746



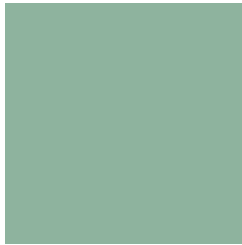
14.8507, 7.4578, 9.6398



0.4959, 0.2461, 0.4539

Previews

White Background



This preview shows how the XYZ color 33.4470, 40.4596, 38.3944 looks on a white background.

Color Contrast Check

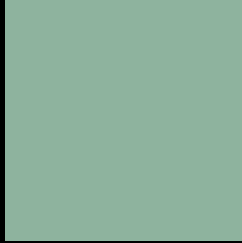
Large Text (above 18pt) WCAG AA × Fail

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 33.4470, 40.4596, 38.3944 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 33.4470, 40.4596, 38.3944

Background



This preview shows how black text looks on a background with the XYZ color 33.4470, 40.4596, 38.3944.



This preview shows how white text looks on a background with the XYZ color 33.4470, 40.4596,

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

33.4470, 40.4596, 38.3944

Protanopia

38.2560, 40.3965, 35.9180

Deuteranopia

40.9437, 40.0713, 39.2948



Tritanopia

36.7280, 40.6300, 54.0507

Trichromacy



Original Color

33.4470, 40.4596, 38.3944

Protanomaly

36.1698, 40.1462, 36.8530

Deuteranomaly

37.7667, 39.7982, 38.9490

Tritanomaly

35.4153, 40.3760, 48.0462

Monochromacy



Original Color

33.4470, 40.4596, 38.3944

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.0784, 38.9383, 40.3173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4470, 40.4596, 38.3944 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(142, 179, 158)` looks like.

```
.text, #text, p{  
    color:rgb(142, 179, 158)  
}
```

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(142, 179, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 179, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.4470, 40.4596, 38.3944 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(142, 179, 158) }
```


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

```
.border{ border-color:rgb(142, 179, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 179, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 179, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 179, 158);  
box-shadow:4px 4px 4px 4px rgb(142, 179,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4470, 40.4596, 38.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 179, 158) }
```

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

```
.background{ background-color: rgb(142,  
179, 158) }
```

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