

Converting Colors

XYZ(33.1763, 43.3044, 39.1873)

Have a look what the booklet for
XYZ(33.1763, 43.3044, 39.1873)
contains.

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Color

**XYZ(33.3577, 43.4876,
39.4367)**

Conversions

Conversions Part 1

Format	Color
Hex	80BD9F
RGB	128, 189, 159
RGB Percent	50%, 74%, 62%
CMY	0.4980, 0.2588, 0.3765
CMYK	0.32, 0.00, 0.16, 0.26
HSL	150°, 32%, 62%
HSV	150°, 32%, 74%
XYZ	33.3577, 43.4876, 39.4367
YIQ	167.3410, -26.7260, -22.2620

Conversions

Conversions Part 2

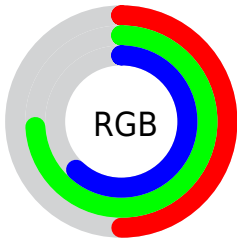
Format	Color
RYB	128, 168, 189
Decimal	8437151
CIELab	71.88, -26.13, 8.96
CIElCh	72, 27.621, 161.068
Yxy	43.4876, 0.2869, 0.3740
Android (android.graphics.Color)	4286627231 (0xFF80BD9F)
YUV	167.3410, -4.1121, -34.5021
Hunter-Lab	65.9451, -25.1115, 10.7048

Details

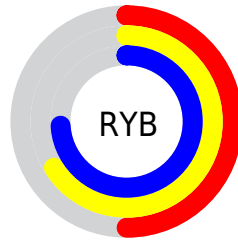
The XYZ color **33.3577, 43.4876, 39.4367** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.8785, 28.7269, 36.0561**, and the grayscale version is **36.9266, 38.8497, 42.3073**.

A 20% lighter version of the original color is **64.3848, 80.7117, 75.8038**, and **14.3512, 19.9472, 17.2812** is the 20% darker color. If you saturate the color by 10%, you get **29.9989, 41.8470, 35.2263**, and if you desaturate by 10%, it is **37.3091, 45.4290, 43.9934**.

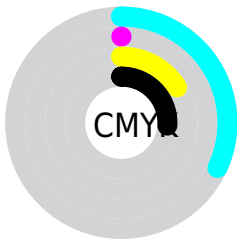
Distribution



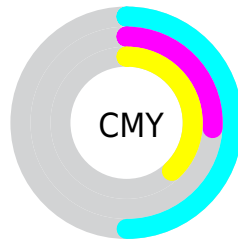
- Red (50%)
- Green (74%)
- Blue (62%)



- Red (50%)
- Yellow (66%)
- Blue (74%)



- Cyan (32%)
- Magenta (0%)
- Yellow (16%)
- Black (26%)



- Cyan (50%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3577, 43.4876, 39.4367 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 33.3577, 43.4876, 39.4367 by changing the saturation by 10% instead.


 33.3577, 43.4876,
39.4367


 33.3577, 43.4876,
39.4367


308.8950,
360.6132, 359.2248


 22.5612, 30.2679,
26.7892


 64.2845, 80.4462,
75.5327

 14.3887, 20.0420,
17.1839


 85.1455, 104.9538,
99.8182

 8.4750, 12.4256,
10.2024


 110.0921,
133.9928, 128.8201

 4.4547, 7.0342,
5.4260

139.4895,
167.9477, 162.9570

 1.9625, 3.4835,
2.4362

173.7031,
207.2028, 202.6473

 0.6127, 1.3891,
0.8061

213.0984,

 0.0000, 0.2086,

252.1424, 248.3098

0.0000

258.0405,
303.1511, 300.3627

■ 0.0000, 0.0000,
0.0000

■ 33.3577, 43.4876,
39.4367

■ 33.3577, 43.4876,
39.4367

■ 29.9989, 41.8470,
35.2263

■ 37.3091, 45.4290,
43.9934

■ 27.1984, 40.4861,
31.3509

■ 41.8780, 47.6805,
48.9015

■ 24.9235, 39.3896,
27.8028

■ 47.0921, 50.2573,
54.1697

■ 23.1369, 38.5382,
24.5728

■ 52.9764, 53.1721,
59.8056

■ 21.7956, 37.9100,
21.6511

■ 59.5546, 56.4370,
65.8163

■ 20.8486, 37.4789,
19.0273

■ 66.8490, 60.0635,
72.2089

■ 20.3119, 37.2422,
17.1957

■ 72.9026, 63.0425,
78.8976

■ 74.1988, 63.5610,
85.7235

■ 75.5651, 64.1075,
92.9182

Harmonies

Analogous

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



35.6739, 43.4876, 30.3886



33.3577, 43.4876, 39.4367



33.0803, 43.4876, 52.4977

Triad

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



33.3577, 43.4876, 39.4367



43.0938, 43.4876, 77.5797



48.5317, 43.4876, 32.2953

Complementary

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



33.3577, 43.4876, 39.4367



34.8785, 28.7269, 36.0561

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.



50.8569, 43.4876, 42.5515



33.3577, 43.4876, 39.4367



47.5625, 43.4876, 69.6783

Square

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



33.3577, 43.4876, 39.4367



38.4691, 43.4876, 76.3094



50.4893, 43.4876, 56.2582



44.3370, 43.4876, 26.8381

Rectangle

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



33.3577, 43.4876, 39.4367



34.0629, 43.4876, 62.0097



50.4893, 43.4876, 56.2582



49.5718, 43.4876, 35.2055

Sweetspot

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



33.3589, 43.4894, 39.4377



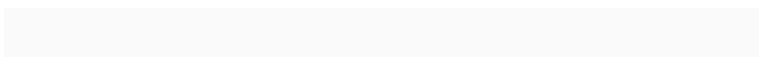
76.8778, 86.3190, 89.5206



36.2945, 45.2756, 27.2488



16.2628, 18.4295, 18.9729



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.3589, 43.4894, 39.4377



55.2214, 75.6744, 65.0283



36.2865, 44.6604, 54.8541



9.6056, 10.7284, 11.1727



13.7046, 25.0721, 11.7731



0.5698, 0.9953, 0.6348

Inverse Universe

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



34.8785, 28.7269, 36.0561



58.3820, 44.9738, 57.9976



32.6030, 27.8167, 24.0735



9.7205, 9.6125, 10.9170



15.4867, 7.8258, 7.8565



0.6397, 0.3198, 0.4818

Previews

White Background



This preview shows how the XYZ color 33.3577, 43.4876, 39.4367 looks on a white background.

Color Contrast Check

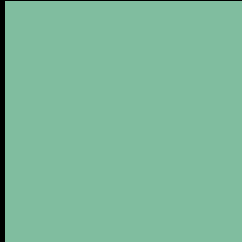
Large Text (above 18pt) WCAG AA × Fail

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 33.3577, 43.4876, 39.4367 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

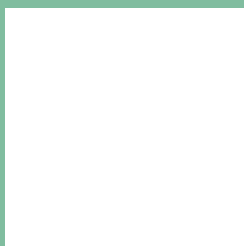
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3577, 43.4876, 39.4367

Background



This preview shows how black text looks on a background with the XYZ color 33.3577, 43.4876, 39.4367.



This preview shows how white text looks on a background with the XYZ color 33.3577, 43.4876,

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

33.3577, 43.4876, 39.4367

Protanopia

40.7646, 43.1173, 35.8797

Deuteranopia

43.8248, 42.8906, 40.6192



Tritanopia

37.4869, 43.5924, 59.8645

Trichromacy



Original Color

33.3577, 43.4876, 39.4367

Protanomaly

37.5475, 42.9016, 37.3122

Deuteranomaly

39.0602, 42.4300, 40.3135

Tritanomaly

35.8835, 43.5650, 51.8650

Monochromacy



Original Color

33.3577, 43.4876, 39.4367

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.1677, 40.1126, 41.0109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3577, 43.4876, 39.4367 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(128, 189, 159)` looks like.

```
.text, #text, p{  
    color:rgb(128, 189, 159)  
}
```

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(128, 189, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 189, 159) }
```

Border

The CSS property to change the border of an element to XYZ 33.3577, 43.4876, 39.4367 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(128, 189, 159) }
```


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

```
.border{ border-color:rgb(128, 189, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 189, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 189, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 189, 159);  
box-shadow:4px 4px 4px 4px rgb(128, 189,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3577, 43.4876, 39.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 189, 159) }
```

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

```
.background{ background-color: rgb(128,  
189, 159) }
```

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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