

Converting Colors

XYZ(32.9645, 39.8533, 44.5573)

Have a look what the booklet for
XYZ(32.9645, 39.8533, 44.5573)
contains.

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Color

**XYZ(32.9439, 39.7676,
44.4677)**

Conversions

Conversions Part 1

Format	Color
Hex	85B2AB
RGB	133, 178, 171
RGB Percent	52%, 70%, 67%
CMY	0.4784, 0.3019, 0.3294
CMYK	0.25, 0.00, 0.04, 0.30
HSL	171°, 23%, 61%
HSV	171°, 25%, 70%
XYZ	32.9439, 39.7676, 44.4677
YIQ	163.7470, -24.5730, -11.7170

Conversions

Conversions Part 2

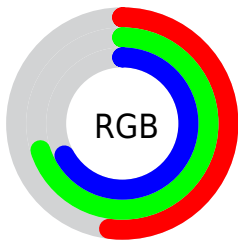
Format	Color
RYB	133, 157, 178
Decimal	8762027
CIELab	69.30, -16.47, -1.31
CIELCh	69, 16.518, 184.549
Yxy	39.7676, 0.2811, 0.3394
Android (android.graphics.Color)	4286952107 (0xFF85B2AB)
YUV	163.7470, 3.5757, -26.9651
Hunter-Lab	63.0616, -17.1078, 2.3349

Details

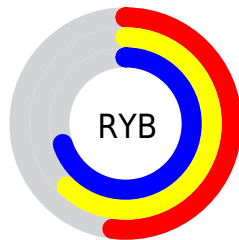
The XYZ color **32.9439, 39.7676, 44.4677** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.4826, 28.1344, 28.5836**, and the grayscale version is **35.1591, 36.9902, 40.2823**.

A 20% lighter version of the original color is **63.6438, 74.9014, 83.0545**, and **14.1431, 17.7930, 20.1417** is the 20% darker color. If you saturate the color by 10%, you get **30.1073, 38.3365, 42.9719**, and if you desaturate by 10%, it is **36.2646, 41.4497, 46.0167**.

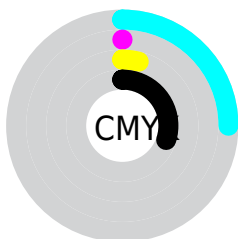
Distribution



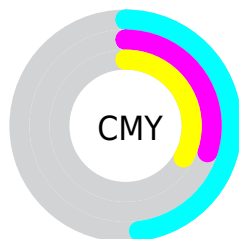
- Red (52%)
- Green (70%)
- Blue (67%)



- Red (52%)
- Yellow (62%)
- Blue (70%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (30%)



- Cyan (48%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9439, 39.7676, 44.4677 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 32.9439, 39.7676, 44.4677 by changing the saturation by 10% instead.

■ 32.9439, 39.7676,
44.4677

■ 32.9439, 39.7676,
44.4677

307.0663,
345.1431, 380.7105

■ 22.2425, 27.3574,
30.6985

■ 63.6432, 74.8095,
83.2310

■ 14.1528, 17.8418,
20.1128

■ 84.3718, 98.2100,
109.0622

■ 8.3094, 10.8365,
12.2922

■ 109.1735,
126.0427, 139.7511

■ 4.3470, 5.9570,
6.8180

138.4137,
158.6919, 175.7163

■ 1.9003, 2.8189,
3.2719

172.4578,
196.5422, 217.3763

■ 0.5770, 1.0380,
1.2351

211.6710,

■ 0.0000, 0.0000,

239.9779, 265.1496

0.0077

256.4187,
289.3834, 319.4548

■ 0.0000, 0.0000,
0.0000

■ 32.9439, 39.7676,
44.4677

■ 32.9439, 39.7676,
44.4677

■ 30.1073, 38.3365,
42.9719

■ 36.2646, 41.4497,
46.0167

■ 27.7274, 37.1392,
41.5253

■ 40.0882, 43.3894,
47.6175

■ 25.7791, 36.1637,
40.1275

■ 44.4369, 45.5991,
49.2721

■ 24.2336, 35.3953,
38.7769

■ 49.3304, 48.0890,
50.9815

■ 23.0587, 34.8172,
37.4718

■ 54.7875, 50.8688,
52.7470

■ 22.2169, 34.4104,
36.2103

■ 60.8258, 53.9476,
54.5693

■ 21.6621, 34.1508,
34.9901

■ 66.4980, 56.8370,
56.4044

■ 21.4509, 34.0541,
34.4263

■ 66.8045, 56.9596,
58.0184

■ 67.1168, 57.0845,
59.6630

Harmonies

Analogous

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



33.3822, 39.7676, 37.3285



32.9439, 39.7676, 44.4677



33.7556, 39.7676, 52.1120

Triad

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



32.9439, 39.7676, 44.4677



40.7611, 39.7676, 56.4620



40.0295, 39.7676, 31.4176

Complementary

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



32.9439, 39.7676, 44.4677



31.4826, 28.1344, 28.5836

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.



42.1507, 39.7676, 35.5422



32.9439, 39.7676, 44.4677



42.5867, 39.7676, 49.8770

Square

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



32.9439, 39.7676, 44.4677



38.2034, 39.7676, 59.5322



43.1067, 39.7676, 42.1532



37.3953, 39.7676, 30.3245

Rectangle

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



32.9439, 39.7676, 44.4677



34.9197, 39.7676, 56.3051



43.1067, 39.7676, 42.1532



40.8301, 39.7676, 32.4698

Sweetspot

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



32.9450, 39.7692, 44.4686



70.6179, 77.6265, 85.5085



31.0548, 39.1549, 28.1117



15.4111, 17.0793, 18.8477



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.



32.9450, 39.7692, 44.4686



56.9397, 70.7005, 79.2045



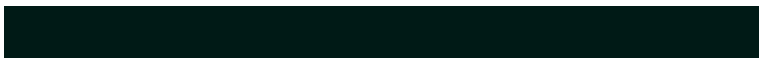
30.8071, 34.3966, 47.1369



8.6847, 9.6084, 10.5993



15.3666, 24.3726, 24.7308



0.4988, 0.7730, 0.8585

Inverse Universe

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



31.4826, 28.1344, 28.5836



53.8607, 46.1858, 45.7467



33.1849, 32.3394, 26.6840



8.5485, 8.5261, 9.1208



13.2997, 6.8375, 1.4724



0.4351, 0.2218, 0.1338

Previews

White Background



This preview shows how the XYZ color 32.9439, 39.7676, 44.4677 looks on a white background.

Color Contrast Check

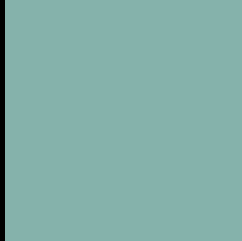
Large Text (above 18pt) WCAG AA × Fail

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 32.9439, 39.7676, 44.4677 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 32.9439, 39.7676, 44.4677

Background



This preview shows how black text looks on a background with the XYZ color 32.9439, 39.7676, 44.4677.

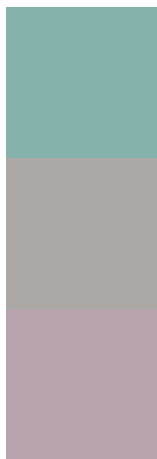


This preview shows how white text looks on a background with the XYZ color 32.9439, 39.7676,

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

32.9439, 39.7676, 44.4677

Protanopia

37.8074, 39.4925, 41.2275

Deuteranopia

40.4439, 39.6742, 45.5707



Tritanopia

34.8318, 39.6524, 53.9620

Trichromacy



Original Color

32.9439, 39.7676, 44.4677

Protanomaly

35.8281, 39.5642, 42.3075

Deuteranomaly

37.2478, 39.3924, 45.1755

Tritanomaly

34.1222, 39.6623, 50.1131

Monochromacy



Original Color

32.9439, 39.7676, 44.4677

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.2999, 37.9383, 42.0742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9439, 39.7676, 44.4677 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(133, 178, 171)` looks like.

```
.text, #text, p{  
    color:rgb(133, 178, 171)  
}
```

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(133, 178, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 178, 171) }
```

Border

The CSS property to change the border of an element to XYZ 32.9439, 39.7676, 44.4677 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(133, 178, 171) }
```


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

```
.border{ border-color:rgb(133, 178, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 178, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 178, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 178, 171);  
box-shadow:4px 4px 4px 4px rgb(133, 178,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9439, 39.7676, 44.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 178, 171) }
```

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

```
.background{ background-color: rgb(133,  
178, 171) }
```

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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