

Converting Colors

XYZ(27.3031, 39.3964, 42.0848)

Have a look what the booklet for
XYZ(27.3031, 39.3964, 42.0848)
contains.

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Color

**XYZ(27.2659, 39.3268,
42.2302)**

Conversions

Conversions Part 1

Format	Color
Hex	4ABAA6
RGB	74, 186, 166
RGB Percent	29%, 73%, 65%
CMY	0.7098, 0.2706, 0.3490
CMYK	0.60, 0.00, 0.11, 0.27
HSL	169°, 45%, 51%
HSV	169°, 60%, 73%
XYZ	27.2659, 39.3268, 42.2302
YIQ	150.2320, -60.3320, -29.9640

Conversions

Conversions Part 2

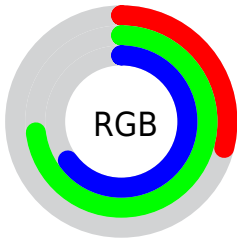
Format	Color
RYB	74, 135, 186
Decimal	4897446
CIELab	68.99, -36.57, 0.68
CIElCh	69, 36.572, 178.941
Yxy	39.3268, 0.2506, 0.3614
Android (android.graphics.Color)	4283087526 (0xFF4ABAA6)
YUV	150.2320, 7.7736, -66.8555
Hunter-Lab	62.7111, -32.1351, 3.9713

Details

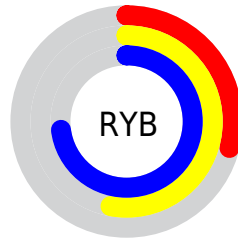
The XYZ color **27.2659, 39.3268, 42.2302** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **24.7202, 16.1460, 12.4048**, and the grayscale version is **29.0754, 30.5896, 33.3121**.

A 20% lighter version of the original color is **54.7746, 74.3082, 79.8626**, and **11.2885, 17.7174, 18.7444** is the 20% darker color. If you saturate the color by 10%, you get **25.7395, 38.5756, 40.5893**, and if you desaturate by 10%, it is **29.2257, 40.3024, 43.9342**.

Distribution



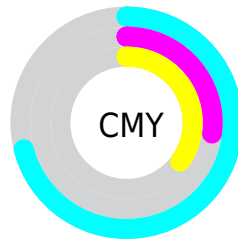
- Red (29%)
- Green (73%)
- Blue (65%)



- Red (29%)
- Yellow (53%)
- Blue (73%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)



- Cyan (71%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2659, 39.3268, 42.2302 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 27.2659, 39.3268, 42.2302 by changing the saturation by 10% instead.

■ 27.2659, 39.3268,
42.2302

■ 27.2659, 39.3268,
42.2302

281.0864,
343.2779, 371.2641

■ 17.9106, 27.0141,
28.9547

■ 54.7271, 74.1373,
79.8218

■ 10.9852, 17.5838,
18.8012

■ 73.5638, 97.4038,
104.9749

■ 6.1241, 10.6516,
11.3514

■ 96.2917, 125.0904,
134.9242

■ 2.9620, 5.8331,
6.1866

■ 123.2761,
157.5814, 170.0884

■ 1.1337, 2.7438,
2.8882

■ 154.8825,
195.2613, 210.8860

■ 0.0531, 0.9995,
1.0379

191.4760,

■ 0.0000, 0.0000,

238.5144, 257.7354

0.0000

233.4222,
287.7252, 311.0553

■ 27.2659, 39.3268,
42.2302

■ 27.2659, 39.3268,
42.2302

■ 25.7395, 38.5756,
40.5893

■ 29.2257, 40.3024,
43.9342

■ 24.6046, 38.0244,
39.0066

■ 31.6495, 41.5153,
45.7005

■ 23.8166, 37.6512,
37.4807

■ 34.5689, 42.9828,
47.5316

■ 23.2916, 37.4119,
36.0376

■ 38.0118, 44.7193,
49.4293

■ 42.0040, 46.7379,
51.3949

■ 46.5695, 49.0513,
53.4300

■ 51.7311, 51.6709,
55.5357

■ 57.5100, 54.6078,
57.7136

■ 63.9266, 57.8725,
59.9647

Harmonies

Analogous

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



28.5857, 39.3268, 28.3173



27.2659, 39.3268, 42.2302



28.4129, 39.3268, 60.2843

Triad

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



27.2659, 39.3268, 42.2302



43.0622, 39.3268, 77.4526



43.4573, 39.3268, 20.8086

Complementary

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



27.2659, 39.3268, 42.2302



24.7202, 16.1460, 12.4048

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.



48.0568, 39.3268, 29.1037



27.2659, 39.3268, 42.2302



47.8125, 39.3268, 61.5831

Square

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



27.2659, 39.3268, 42.2302



37.1724, 39.3268, 83.5413



49.7265, 39.3268, 43.4157



37.5863, 39.3268, 18.0979

Rectangle

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



27.2659, 39.3268, 42.2302



30.4972, 39.3268, 71.8309



49.7265, 39.3268, 43.4157



45.2250, 39.3268, 22.9089

Sweetspot

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



27.2670, 39.3283, 42.2311



70.2036, 81.7139, 90.2631



23.4672, 38.0218, 12.5815



15.0230, 17.7741, 19.6513



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.



27.2670, 39.3283, 42.2311



45.9692, 69.5842, 72.7025



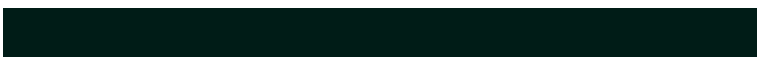
22.6799, 26.9858, 50.4695



9.1960, 10.1824, 11.1894



15.6943, 25.1787, 24.3758



0.5715, 0.8949, 0.9554

Inverse Universe

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



24.7202, 16.1460, 12.4048



41.0118, 23.9357, 14.2577



27.0056, 21.9720, 9.2971



9.0684, 9.0377, 9.7074



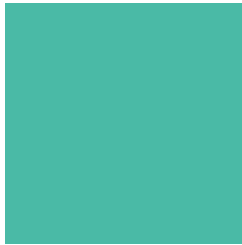
13.8303, 7.1059, 1.7274



0.5077, 0.2586, 0.1670

Previews

White Background



This preview shows how the XYZ color 27.2659, 39.3268, 42.2302 looks on a white background.

Color Contrast Check

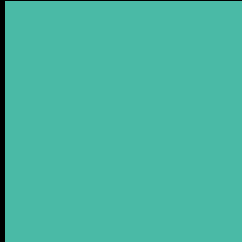
Large Text (above 18pt) WCAG AA × Fail

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 27.2659, 39.3268, 42.2302 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 27.2659, 39.3268, 42.2302

Background



This preview shows how black text looks on a background with the XYZ color 27.2659, 39.3268, 42.2302.

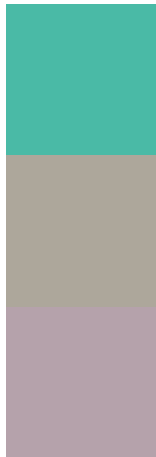


This preview shows how white text looks on a background with the XYZ color 27.2659, 39.3268,

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

27.2659, 39.3268, 42.2302

Protanopia

36.9687, 38.8882, 36.5681

Deuteranopia

39.3271, 38.6047, 43.9068



Tritanopia

30.5295, 39.4199, 58.2243

Trichromacy



Original Color

27.2659, 39.3268, 42.2302



Protanomaly

31.7106, 38.0937, 38.4824



Deuteranomaly

32.8797, 37.7412, 43.0879



Tritanomaly

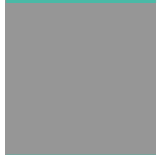
29.1701, 39.1636, 51.9208

Monochromacy



Original Color

27.2659, 39.3268, 42.2302



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.1240, 32.7323, 36.3409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2659, 39.3268, 42.2302 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(74, 186, 166)` looks like.

```
.text, #text, p{  
    color:rgb(74, 186, 166)  
}
```

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(74, 186, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 186, 166) }
```

Border

The CSS property to change the border of an element to XYZ 27.2659, 39.3268, 42.2302 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(74, 186, 166) }
```


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

```
.border{ border-color:rgb(74, 186, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 186, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 186, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 186, 166);  
box-shadow:4px 4px 4px 4px rgb(74, 186,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2659, 39.3268, 42.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 186, 166) }
```

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

```
.background{ background-color: rgb(74, 186,  
166) }
```

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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