

Converting Colors

XYZ(27.5046, 42.3402, 39.4602)

Have a look what the booklet for
XYZ(27.5046, 42.3402, 39.4602)
contains.

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Color

**XYZ(27.5767, 42.4632,
39.5437)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC39F
RGB	59, 195, 159
RGB Percent	23%, 76%, 62%
CMY	0.7686, 0.2353, 0.3765
CMYK	0.70, 0.00, 0.18, 0.24
HSL	164°, 54%, 50%
HSV	164°, 70%, 76%
XYZ	27.5767, 42.4632, 39.5437
YIQ	150.2320, -69.5000, -40.0280

Conversions

Conversions Part 2

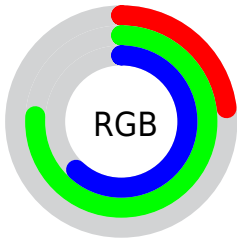
Format	Color
RYB	59, 137, 195
Decimal	3916703
CIELab	71.19, -44.81, 7.63
CIElCh	71, 45.453, 170.332
Yxy	42.4632, 0.2516, 0.3875
Android (android.graphics.Color)	4282106783 (0xFF3BC39F)
YUV	150.2320, 4.3226, -80.0105
Hunter-Lab	65.1638, -38.4971, 9.6354

Details

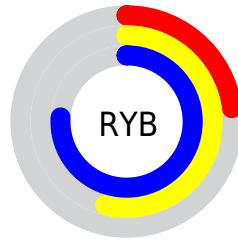
The XYZ color **27.5767, 42.4632, 39.5437** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **26.1365, 15.5572, 12.4532**, and the grayscale version is **29.0924, 30.6075, 33.3315**.

A 20% lighter version of the original color is **55.1164, 78.6868, 75.9015**, and **12.0849, 19.8389, 17.3797** is the 20% darker color. If you saturate the color by 10%, you get **26.1911, 41.8007, 37.1898**, and if you desaturate by 10%, it is **29.4149, 43.3590, 42.0184**.

Distribution



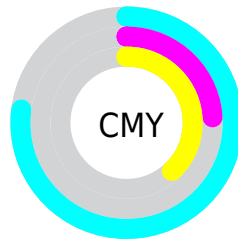
- Red (23%)
- Green (76%)
- Blue (62%)



- Red (23%)
- Yellow (54%)
- Blue (76%)



- Cyan (70%)
- Magenta (0%)
- Yellow (18%)
- Black (24%)





- Cyan (77%)
- Magenta (24%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5767, 42.4632, 39.5437 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 27.5767, 42.4632, 39.5437 by changing the saturation by 10% instead.


 27.5767, 42.4632,
39.5437


 27.5767, 42.4632,
39.5437


282.5556,
356.3995, 359.6913


 18.1456, 29.4642,
26.8719


 55.2213, 78.9002,
75.6976


 11.1549, 19.4322,
17.2454


 74.1655, 103.1069,
100.0168

 6.2392, 11.9830,
10.2458


 97.0115, 131.8183,
129.0556

 3.0331, 6.7321,
5.4545

 124.1247,
165.4188, 163.2324

 1.1713, 3.2951,
2.4530

 155.8703,
204.2928, 202.9659

 0.0835, 1.2877,
0.8151

192.6137,

 0.0000, 0.1316,

248.8246, 248.6745

0.0000

234.7204,
299.3987, 300.7768

■ 0.0000, 0.0000,
0.0000

■ 27.5767, 42.4632,
39.5437

■ 27.5767, 42.4632,
39.5437

■ 26.1911, 41.8007,
37.1898

■ 29.4149, 43.3590,
42.0184

■ 25.2035, 41.3401,
34.9500

■ 31.7455, 44.5054,
44.6140

■ 24.5192, 41.0337,
32.8198

■ 34.6077, 45.9237,
47.3345

■ 24.5028, 41.0264,
32.7661

■ 38.0359, 47.6316,
50.1825

■ 42.0614, 49.6450,
53.1607

■ 46.7132, 51.9791,
56.2714

■ 52.0184, 54.6477,
59.5171

■ 58.0025, 57.6639,
62.8999

■ 64.6895, 61.0401,
66.4220

Harmonies

Analogous

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



30.1045, 42.4632, 24.2985



27.5767, 42.4632, 39.5437



28.1268, 42.4632, 62.3922

Triad

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



27.5767, 42.4632, 39.5437



45.6651, 42.4632, 97.7653



50.4481, 42.4632, 20.8828

Complementary

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



27.5767, 42.4632, 39.5437



26.1365, 15.5572, 12.4532

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.



55.7078, 42.4632, 33.1401



27.5767, 42.4632, 39.5437



52.7144, 42.4632, 78.5062

Square

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



27.5767, 42.4632, 39.5437



37.9504, 42.4632, 101.1267



56.5857, 42.4632, 53.6420



42.8695, 42.4632, 15.9903

Rectangle

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



27.5767, 42.4632, 39.5437



30.1944, 42.4632, 79.0377



56.5857, 42.4632, 53.6420



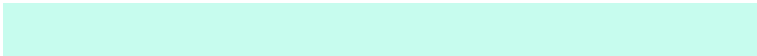
52.5841, 42.4632, 24.0566

Sweetspot

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



27.5779, 42.4649, 39.5447



74.1146, 88.3031, 94.3477



25.0529, 41.7949, 10.8851



15.7721, 19.1081, 20.3293



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.5779, 42.4649, 39.5447



45.8419, 74.3626, 64.3495



24.7998, 31.1606, 56.3392



10.2510, 11.3815, 12.3252



15.9611, 26.6785, 21.4861



0.7168, 1.1636, 1.0715

Inverse Universe

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



26.1365, 15.5572, 12.4532



43.2158, 23.1780, 13.3903



27.0147, 19.3557, 6.4505



10.1802, 10.1207, 11.0397



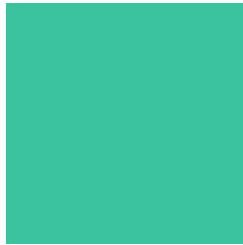
15.0549, 7.7117, 2.9353



0.6801, 0.3450, 0.2828

Previews

White Background



This preview shows how the XYZ color 27.5767, 42.4632, 39.5437 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 27.5767, 42.4632, 39.5437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

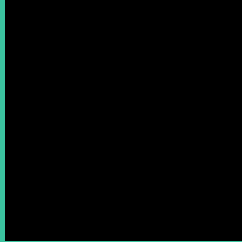
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

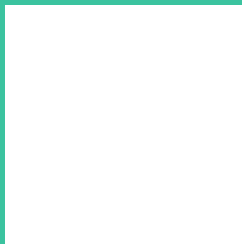
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5767, 42.4632, 39.5437

Background



This preview shows how black text looks on a background with the XYZ color 27.5767, 42.4632, 39.5437.



This preview shows how white text looks on a background with the XYZ color 27.5767, 42.4632,

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

27.5767, 42.4632, 39.5437

Protanopia

39.3104, 41.5567, 33.5531

Deuteranopia

42.6026, 41.6915, 41.3992



Tritanopia

32.4049, 42.4603, 63.6145

Trichromacy



Original Color

27.5767, 42.4632, 39.5437



Protanomaly

32.2237, 40.1952, 35.3382



Deuteranomaly

33.8346, 40.0179, 40.5913



Tritanomaly

30.3804, 42.2702, 54.1347

Monochromacy



Original Color

27.5767, 42.4632, 39.5437



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.7221, 33.3543, 35.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5767, 42.4632, 39.5437 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(59, 195, 159)` looks like.

```
.text, #text, p{  
    color:rgb(59, 195, 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(59, 195, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 195, 159) }
```

Border

The CSS property to change the border of an element to XYZ 27.5767, 42.4632, 39.5437 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(59, 195, 159) }
```


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

```
.border{ border-color:rgb(59, 195, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 195, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 195, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 195, 159);  
box-shadow:4px 4px 4px 4px rgb(59, 195,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5767, 42.4632, 39.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 195, 159) }
```

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

```
.background{ background-color: rgb(59, 195,  
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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