

Converting Colors

XYZ(27.4586, 42.9897, 37.3259)

Have a look what the booklet for
XYZ(27.4586, 42.9897, 37.3259)
contains.

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Color

**XYZ(27.5439, 43.1651,
37.4518)**

Conversions

Conversions Part 1

Format	Color
Hex	3AC59A
RGB	58, 197, 154
RGB Percent	23%, 77%, 60%
CMY	0.7725, 0.2274, 0.3961
CMYK	0.71, 0.00, 0.22, 0.23
HSL	161°, 55%, 50%
HSV	161°, 71%, 77%
XYZ	27.5439, 43.1651, 37.4518
YIQ	150.5370, -69.0410, -42.8410

Conversions

Conversions Part 2

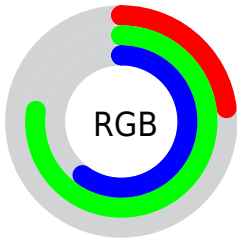
Format	Color
RYB	58, 140, 197
Decimal	3851674
CIELab	71.67, -47.00, 11.02
CIELCh	72, 48.273, 166.805
Yxy	43.1651, 0.2547, 0.3991
Android (android.graphics.Color)	4282041754 (0xFF3AC59A)
YUV	150.5370, 1.7073, -81.1549
Hunter-Lab	65.7002, -40.1416, 12.1924

Details

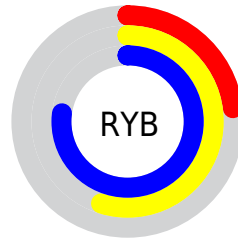
The XYZ color **27.5439, 43.1651, 37.4518** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **26.8894, 15.8371, 13.9533**, and the grayscale version is **29.2330, 30.7554, 33.4926**.

A 20% lighter version of the original color is **54.9954, 79.6486, 72.1497**, and **12.1212, 20.3253, 16.1163** is the 20% darker color. If you saturate the color by 10%, you get **26.1155, 42.4870, 34.8028**, and if you desaturate by 10%, it is **29.4384, 44.0827, 40.2591**.

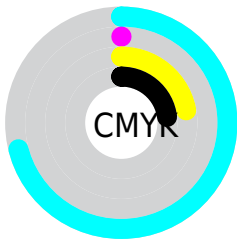
Distribution



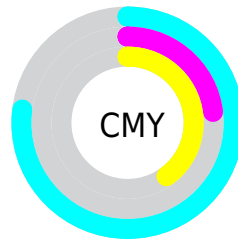
- Red (23%)
- Green (77%)
- Blue (60%)



- Red (23%)
- Yellow (55%)
- Blue (77%)



- Cyan (71%)
- Magenta (0%)
- Yellow (22%)
- Black (23%)





- Cyan (77%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5439, 43.1651, 37.4518 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 27.5439, 43.1651, 37.4518 by changing the saturation by 10% instead.


 27.5439, 43.1651,
37.4518


 27.5439, 43.1651,
37.4518


282.4008,
359.2903, 350.4899


 18.1208, 30.0147,
25.2590


 55.1692, 79.9599,
72.4612


 11.1370, 19.8497,
16.0493


 74.1021, 104.3732,
96.1148


 6.2270, 12.2859,
9.4043


 96.9357, 133.3094,
124.4258

 3.0256, 6.9387,
4.9054

 124.0352,
167.1531, 157.8127

 1.1673, 3.4238,
2.1341

 155.7662,
206.2887, 196.6940

 0.0803, 1.3568,
0.6360

192.4939,

 0.0000, 0.1845,

251.1004, 241.4882

0.0000

234.5836,
301.9729, 292.6140

■ 0.0000, 0.0000,
0.0000

■ 27.5439, 43.1651,
37.4518

■ 27.5439, 43.1651,
37.4518

■ 26.1155, 42.4870,
34.8028

■ 29.4384, 44.0827,
40.2591

■ 25.0963, 42.0158,
32.3045

■ 31.8406, 45.2579,
43.2258

■ 24.4149, 41.7131,
30.0783

■ 34.7913, 46.7128,
46.3565

■ 38.3260, 48.4656,
49.6548

■ 42.4772, 50.5332,
53.1240

■ 47.2750, 52.9309,
56.7673

■ 52.7475, 55.6732,
60.5877

■ 58.9210, 58.7735,
64.5884

■ 65.8203, 62.2448,
68.7719

Harmonies

Analogous

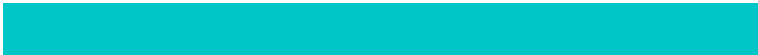
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5987, 43.1651, 22.4238



27.5439, 43.1651, 37.4518



27.7410, 43.1651, 61.2578

Triad

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



27.5439, 43.1651, 37.4518



45.7430, 43.1651, 104.6292



52.7580, 43.1651, 21.2211

Complementary

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



27.5439, 43.1651, 37.4518



26.8894, 15.8371, 13.9533

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.



57.9948, 43.1651, 35.1454



27.5439, 43.1651, 37.4518



53.5907, 43.1651, 85.0508

Square

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



27.5439, 43.1651, 37.4518



37.5417, 43.1651, 105.8861



58.3183, 43.1651, 58.0458



44.7219, 43.1651, 15.3769

Rectangle

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



27.5439, 43.1651, 37.4518



29.6816, 43.1651, 79.4680



58.3183, 43.1651, 58.0458



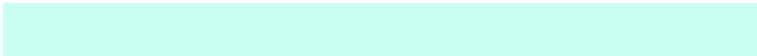
54.9481, 43.1651, 24.8543

Sweetspot

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



27.5451, 43.1668, 37.4528



75.4649, 90.1985, 94.6557



26.2127, 43.0655, 10.9346



15.6872, 19.0742, 19.8821



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.



27.5451, 43.1668, 37.4528



45.6397, 75.5653, 59.7256



26.4850, 34.2538, 58.0410



10.8016, 12.0095, 12.9054



16.0971, 27.4512, 19.9878



0.7936, 1.3124, 1.1118

Inverse Universe

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



26.8894, 15.8371, 13.9533



44.5067, 23.6885, 15.6737



26.9214, 18.4378, 6.1436



10.7667, 10.6901, 11.7550



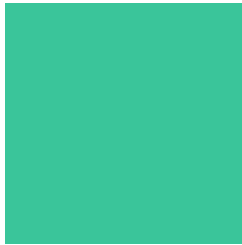
15.7316, 8.0422, 3.7964



0.7778, 0.3940, 0.3530

Previews

White Background



This preview shows how the XYZ color 27.5439, 43.1651, 37.4518 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 27.5439, 43.1651, 37.4518 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

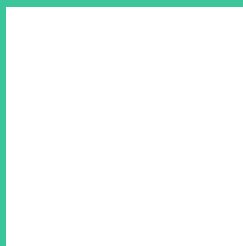
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5439, 43.1651, 37.4518

Background



This preview shows how black text looks on a background with the XYZ color 27.5439, 43.1651, 37.4518.

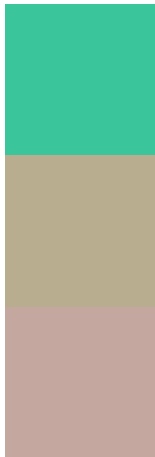


This preview shows how white text looks on a background with the XYZ color 27.5439, 43.1651,

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

27.5439, 43.1651, 37.4518

Protanopia

39.8611, 42.4456, 32.0785

Deuteranopia

43.1127, 42.2791, 39.1461



Tritanopia

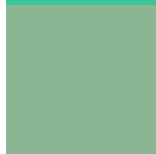
32.8262, 42.9840, 64.3242

Trichromacy



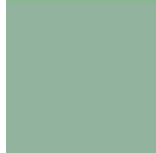
Original Color

27.5439, 43.1651, 37.4518



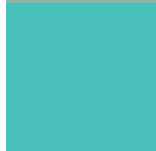
Protanomaly

32.4756, 40.9658, 33.7993



Deuteranomaly

34.1457, 40.8198, 38.4271



Tritanomaly

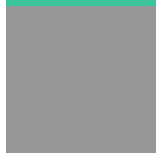
30.6805, 43.1016, 53.1568

Monochromacy



Original Color

27.5439, 43.1651, 37.4518



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.0062, 34.0542, 34.8555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5439, 43.1651, 37.4518 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(58, 197, 154)` looks like.

```
.text, #text, p{  
    color:rgb(58, 197, 154)  
}
```

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(58, 197, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 197, 154) }
```

Border

The CSS property to change the border of an element to XYZ 27.5439, 43.1651, 37.4518 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(58, 197, 154) }
```


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

```
.border{ border-color:rgb(58, 197, 154) }
```

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

Here you see how a box with a 4 pixel rgb(58, 197, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 197, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 197, 154);  
box-shadow:4px 4px 4px 4px rgb(58, 197,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5439, 43.1651, 37.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 197, 154) }
```

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

```
.background{ background-color: rgb(58, 197,  
154) }
```

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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