

# Converting Colors

XYZ(31.5129, 44.0023, 54.4834)

Have a look what the booklet for  
XYZ(31.5129, 44.0023, 54.4834)  
contains.

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# Color

**XYZ(31.5727, 44.1976,  
54.4439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CC3BC
RGB	76, 195, 188
RGB Percent	30%, 76%, 74%
CMY	0.7019, 0.2353, 0.2627
CMYK	0.61, 0.00, 0.04, 0.24
HSL	176°, 50%, 53%
HSV	176°, 61%, 76%
XYZ	31.5727, 44.1976, 54.4439
YIQ	158.6210, -68.6770, -27.4050

# Conversions

## Conversions Part 2

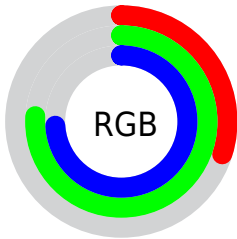
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 137, 195
Decimal	5030844
CIELab	72.36, -34.58, -6.40
CIElCh	72, 35.170, 190.480
Yxy	44.1976, 0.2425, 0.3394
Android (android.graphics.Color)	4283220924 (0xFF4CC3BC)
YUV	158.6210, 14.4838, -72.4586
Hunter-Lab	66.4813, -31.5706, -2.0178

# Details

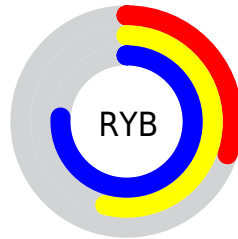
The XYZ color **31.5727, 44.1976, 54.4439** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **26.6529, 17.3968, 10.1382**, and the grayscale version is **32.7415, 34.4466, 37.5123**.

A 20% lighter version of the original color is **61.4561, 81.4708, 98.0743**, and **13.8981, 20.7990, 26.2038** is the 20% darker color. If you saturate the color by 10%, you get **30.1291, 43.4687, 53.7341**, and if you desaturate by 10%, it is **33.4893, 45.1723, 55.1829**.

# Distribution



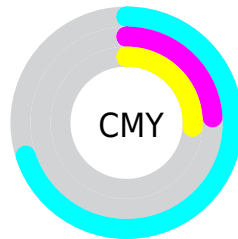
- Red (30%)
- Green (76%)
- Blue (74%)



- Red (30%)
- Yellow (54%)
- Blue (76%)



- Cyan (61%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)



- Cyan (70%)
- Magenta (24%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5727, 44.1976, 54.4439 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 31.5727, 44.1976, 54.4439 by changing the saturation by 10% instead.





 31.5727, 44.1976,  
54.4439


 31.5727, 44.1976,  
54.4439


300.9481,  
363.5140, 421.0229


 21.1893, 30.8259,  
38.5611

 61.5103, 81.5150,  
98.1887

 13.3757, 20.4663,  
26.1132


 81.7953, 106.2295,  
126.8877

 7.7665, 12.7345,  
16.6819

 106.1115,  
135.4937, 160.6959

 3.9965, 7.2459,  
9.8484

 134.8242,  
169.6919, 200.0317

 1.7001, 3.6164,  
5.1942

168.2989,  
209.2087, 245.3138

 0.4564, 1.4614,  
2.3010

206.9009,

 0.0000, 0.2613,

254.4284, 296.9607

0.7318

250.9955,  
305.7354, 355.3908

■ 0.0000, 0.0000,  
0.0000

■ 31.5727, 44.1976,  
54.4439

■ 31.5727, 44.1976,  
54.4439

■ 30.1291, 43.4687,  
53.7341

■ 33.4893, 45.1723,  
55.1829

■ 29.1107, 42.9578,  
53.0484

■ 35.9135, 46.4076,  
55.9498

■ 28.4666, 42.6397,  
52.3853

■ 38.8811, 47.9229,  
56.7473

■ 28.1183, 42.4727,  
51.8052

■ 42.4236, 49.7344,  
57.5769

■ 46.5700, 51.8571,  
58.4400

■ 51.3474, 54.3051,  
59.3377

■ 56.7814, 57.0913,  
60.2714

■ 62.8959, 60.2283,  
61.2422

■ 69.7138, 63.7278,  
62.2510

# Harmonies

## Analogous

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



31.9668, 44.1976, 37.8240



31.5727, 44.1976, 54.4439



33.7637, 44.1976, 73.1648

# Triad

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



31.5727, 44.1976, 54.4439



50.0253, 44.1976, 78.1872



46.0183, 44.1976, 23.0497

# Complementary

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



31.5727, 44.1976, 54.4439



26.6529, 17.3968, 10.1382

# 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.



51.4968, 44.1976, 29.5678



31.5727, 44.1976, 54.4439



53.9595, 44.1976, 60.1415

# Square

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



31.5727, 44.1976, 54.4439



44.1610, 44.1976, 88.8995



54.5225, 44.1976, 42.3125



39.9271, 44.1976, 22.2273



# Rectangle

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



31.5727, 44.1976, 54.4439



36.5312, 44.1976, 83.3424



54.5225, 44.1976, 42.3125



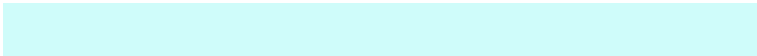
48.0076, 44.1976, 24.5574

# Sweetspot

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



31.5740, 44.1993, 54.4449



77.9068, 90.0586, 103.5356



24.4712, 41.4355, 13.5465



16.6052, 19.4888, 22.5743



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.



31.5740, 44.1993, 54.4449



53.3150, 77.5257, 95.8488



22.7199, 25.2535, 55.3086



10.3421, 11.4179, 12.8049



18.2857, 27.6084, 33.7274



0.7980, 1.1960, 1.4989



# Inverse Universe

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



26.6529, 17.3968, 10.1382



43.7964, 25.4980, 10.0114



31.4746, 27.4511, 10.4782



10.0967, 10.0873, 10.5997



14.6793, 7.5615, 0.9573

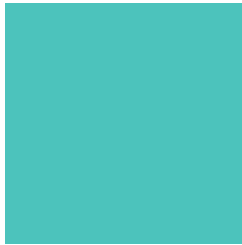


0.6427, 0.3301, 0.0859



# Previews

## White Background



This preview shows how the XYZ color 31.5727, 44.1976, 54.4439 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

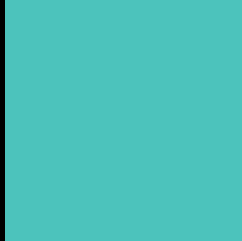
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.5727, 44.1976, 54.4439 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

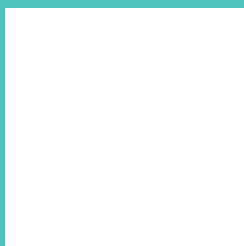
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.5727, 44.1976, 54.4439**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.5727, 44.1976, 54.4439.



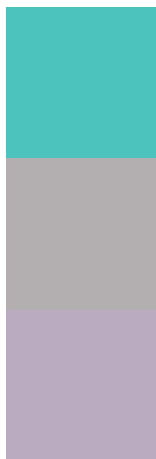
This preview shows how white text looks on a background with the XYZ color 31.5727, 44.1976,



# 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

31.5727, 44.1976, 54.4439

### Protanopia

41.7569, 43.3782, 47.2463

### Deuteranopia

44.4382, 43.4152, 56.4899



## Tritanopia

33.8910, 44.1382, 66.4078

# Trichromacy



## Original Color

31.5727, 44.1976, 54.4439

## Protanomaly

36.1215, 42.5020, 49.4799

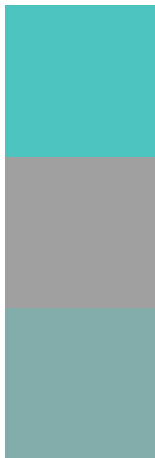
## Deuteranomaly

37.5793, 42.5151, 55.5158

## Tritanomaly

33.0059, 44.1063, 62.0321

# Monochromacy



## Original Color

31.5727, 44.1976, 54.4439

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

31.0615, 37.0745, 43.5492

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.5727, 44.1976, 54.4439 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(76, 195, 188)` looks like.

```
.text, #text, p{  
    color:rgb(76, 195, 188)  
}
```

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(76, 195, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 195, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 31.5727, 44.1976, 54.4439 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(76, 195, 188) }
```



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

```
.border{ border-color:rgb(76, 195, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 195, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 195, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 195, 188);  
box-shadow:4px 4px 4px 4px rgb(76, 195,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.5727, 44.1976, 54.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 195, 188) }
```

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

```
.background{ background-color: rgb(76, 195,  
188) }
```

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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