

# Converting Colors

XYZ(31.6384, 44.0646, 60.8098)

Have a look what the booklet for  
XYZ(31.6384, 44.0646, 60.8098)  
contains.

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# Color

**XYZ(31.6874, 44.1144,  
60.8777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CC3C7
RGB	60, 195, 199
RGB Percent	24%, 76%, 78%
CMY	0.7647, 0.2353, 0.2196
CMYK	0.70, 0.02, 0.00, 0.22
HSL	182°, 55%, 51%
HSV	182°, 70%, 78%
XYZ	31.6874, 44.1144, 60.8777
YIQ	155.0910, -81.7440, -27.3760

# Conversions

## Conversions Part 2

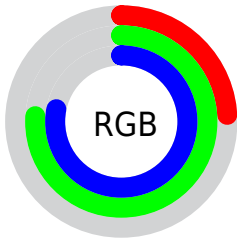
Format	Color
<a href="#">RYB</a>	60, 128, 199
Decimal	3982279
CIELab	72.30, -33.93, -12.51
CIElCh	72, 36.160, 200.248
Yxy	44.1144, 0.2318, 0.3228
Android (android.graphics.Color)	4282172359 (0xFF3CC3C7)
YUV	155.0910, 21.6471, -83.3948
Hunter-Lab	66.4187, -31.0729, -7.8507

# Details

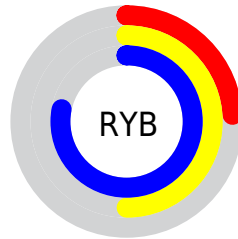
The XYZ color **31.6874, 44.1144, 60.8777** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.2032, 16.1363, 6.0097**, and the grayscale version is **31.1308, 32.7520, 35.6669**.

A 20% lighter version of the original color is **61.6128, 81.3528, 107.0631**, and **14.6357, 21.0941, 30.0882** is the 20% darker color. If you saturate the color by 10%, you get **30.5760, 43.3524, 60.7900**, and if you desaturate by 10%, it is **33.2538, 45.1137, 60.9888**.

# Distribution



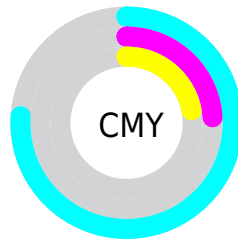
- Red (24%)
- Green (76%)
- Blue (78%)



- Red (24%)
- Yellow (50%)
- Blue (78%)



- Cyan (70%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)




- Cyan (76%)
- Magenta (24%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6874, 44.1144, 60.8777 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 31.6874, 44.1144, 60.8777 by changing the saturation by 10% instead.





 31.6874, 44.1144,  
60.8777


 31.6874, 44.1144,  
60.8777


301.4634,  
363.1749, 445.7196

 21.2772, 30.7605,  
43.6966


 61.6892, 81.3899,  
107.6576


 13.4404, 20.4165,  
30.0966


 82.0116, 106.0802,  
138.0935

 7.8116, 12.6982,  
19.6592


 106.3687,  
135.3180, 173.7847

 4.0254, 7.2210,  
11.9660

 135.1260,  
169.4879, 215.1498

 1.7165, 3.6007,  
6.5983

 168.6487,  
208.9741, 262.6073

 0.4666, 1.4528,  
3.1375

207.3023,

 0.0000, 0.2552,

254.1611, 316.5757

1.1653

251.4521,  
305.4332, 377.4736

■ 0.0000, 0.0000,  
0.0000

■ 31.6874, 44.1144,  
60.8777

■ 31.6874, 44.1144,  
60.8777

■ 30.5760, 43.3524,  
60.7900

■ 33.2538, 45.1137,  
60.9888

■ 29.8619, 42.7949,  
60.7200

■ 35.3167, 46.3686,  
61.1223

■ 29.4460, 42.3919,  
60.6642

■ 37.9172, 47.9015,  
61.2811

■ 29.4401, 42.3860,  
60.6633

■ 41.0913, 49.7308,  
61.4669

■ 44.8716, 51.8733,  
61.6812

■ 49.2885, 54.3448,  
61.9255

■ 54.3702, 57.1597,  
62.2010

■ 60.1434, 60.3318,  
62.5090

■ 66.6330, 63.8740,  
62.8506

# Harmonies

## Analogous

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



31.2203, 44.1144, 42.4661



31.6874, 44.1144, 60.8777



34.7426, 44.1144, 79.4422

# Triad

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



31.6874, 44.1144, 60.8777



51.8042, 44.1144, 73.4104



43.9863, 44.1144, 21.5826

# Complementary

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



31.6874, 44.1144, 60.8777



26.2032, 16.1363, 6.0097

# 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.



50.0447, 44.1144, 26.2330



31.6874, 44.1144, 60.8777



54.8439, 44.1144, 54.0665

# Square

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



31.6874, 44.1144, 60.8777



46.2026, 44.1144, 87.8286



54.1700, 44.1144, 37.1356



37.9282, 44.1144, 22.5472



# Rectangle

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



31.6874, 44.1144, 60.8777



38.0191, 44.1144, 87.9801



54.1700, 44.1144, 37.1356



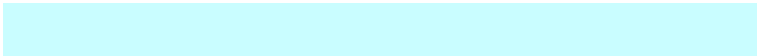
46.0990, 44.1144, 22.4861

# Sweetspot

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



31.6887, 44.1161, 60.8788



77.5291, 90.2410, 107.9398



23.1662, 42.1598, 11.5211



16.1836, 19.0831, 23.0804



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.



31.6887, 44.1161, 60.8788



52.7821, 75.3386, 106.3676



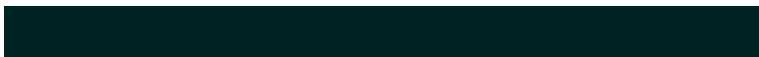
19.7867, 20.3120, 56.9114



10.9196, 12.0132, 13.6607



18.9420, 27.2779, 39.0112



0.9053, 1.3085, 1.8500



# Inverse Universe

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



35.0205, 19.3152, 53.5139



59.0997, 29.6615, 92.1005



32.5965, 28.9228, 8.1408



11.0694, 10.8112, 13.3488



21.3604, 10.2937, 33.4373

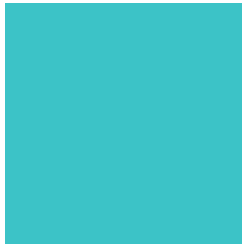


1.0157, 0.4891, 1.6056



# Previews

## White Background



This preview shows how the XYZ color 31.6874, 44.1144, 60.8777 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 31.6874, 44.1144, 60.8777 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

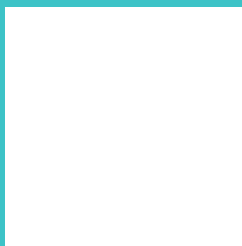
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.6874, 44.1144, 60.8777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.6874, 44.1144, 60.8777.



This preview shows how white text looks on a background with the XYZ color 31.6874, 44.1144,



# 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

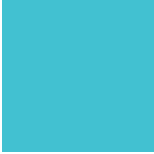
31.6874, 44.1144, 60.8777

### Protanopia

42.0974, 43.4352, 52.6194

### Deuteranopia

44.4740, 43.5680, 63.1922



## **Tritanopia**

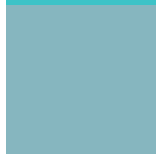
32.8254, 43.9016, 67.0654

# Trichromacy



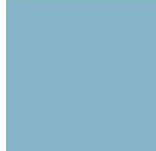
## Original Color

31.6874, 44.1144, 60.8777



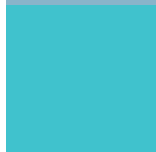
## Protanomaly

35.9634, 42.2858, 55.5567



## Deuteranomaly

37.1353, 42.1410, 62.0539



## Tritanomaly

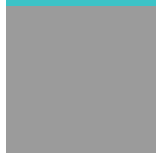
32.4256, 44.0813, 64.5571

# Monochromacy



## Original Color

31.6874, 44.1144, 60.8777



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

29.4711, 35.6828, 43.8623

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.6874, 44.1144, 60.8777 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(60, 195, 199)` looks like.

```
.text, #text, p{  
    color:rgb(60, 195, 199)  
}
```

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(60, 195, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 195, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 31.6874, 44.1144, 60.8777 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(60, 195, 199) }
```



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

```
.border{ border-color:rgb(60, 195, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 195, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 195, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 195, 199);  
box-shadow:4px 4px 4px 4px rgb(60, 195,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.6874, 44.1144, 60.8777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 195, 199) }
```

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

```
.background{ background-color: rgb(60, 195,  
199) }
```

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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