

Converting Colors

XYZ(31.5049, 44.3924, 59.1266)

Have a look what the booklet for
XYZ(31.5049, 44.3924, 59.1266)
contains.

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Color

**XYZ(31.5074, 44.3952,
59.1331)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC4C4
RGB	59, 196, 196
RGB Percent	23%, 77%, 77%
CMY	0.7686, 0.2314, 0.2314
CMYK	0.70, 0.00, 0.00, 0.23
HSL	180°, 54%, 50%
HSV	180°, 70%, 77%
XYZ	31.5074, 44.3952, 59.1331
YIQ	155.0370, -81.6520, -29.0440

Conversions

Conversions Part 2

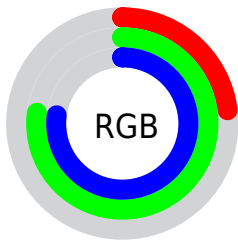
Format	Color
RYB	59, 128, 196
Decimal	3916996
CIELab	72.49, -35.39, -10.60
CIELCh	72, 36.943, 196.679
Yxy	44.3952, 0.2333, 0.3288
Android (android.graphics.Color)	4282107076 (0xFF3BC4C4)
YUV	155.0370, 20.1948, -84.2244
Hunter-Lab	66.6297, -32.1942, -5.9784

Details

The XYZ color **31.5074, 44.3952, 59.1331** 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 **25.1199, 15.1809, 5.7454**, and the grayscale version is **31.1131, 32.7335, 35.6467**.

A 20% lighter version of the original color is **61.4591, 81.7780, 105.4740**, and **14.5555, 21.2990, 28.9351** is the 20% darker color. If you saturate the color by 10%, you get **30.5568, 43.9061, 59.0895**, and if you desaturate by 10%, it is **32.8966, 45.1124, 59.1992**.

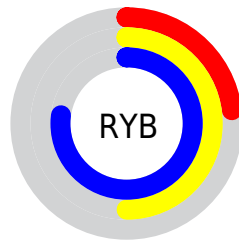
Distribution



Red (23%)

Green (77%)

Blue (77%)



Red (23%)

Yellow (50%)

Blue (77%)

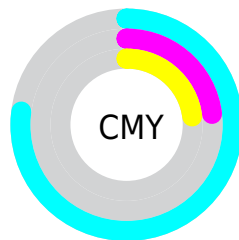


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (23%)



Cyan (77%)

Magenta (23%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5074, 44.3952, 59.1331 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 31.5074, 44.3952, 59.1331 by changing the saturation by 10% instead.

31.5074, 44.3952,
59.1331

31.5074, 44.3952,
59.1331

300.6545,
364.3185, 439.1106

21.1392, 30.9813,
42.2996

61.4085, 81.8121,
105.1021

13.3389, 20.5846,
29.0086

81.6721, 106.5839,
135.0747

7.7409, 12.8207,
18.8417

105.9649,
135.9105, 170.2640

3.9800, 7.3052,
11.3803

134.6523,
170.1762, 211.0885

1.6908, 3.6537,
6.2059

168.0996,
209.7655, 257.9670

0.4505, 1.4818,
2.8998

206.6721,

0.0000, 0.2759,

255.0627, 311.3177

1.0437

250.7353,
306.4522, 371.5594

■ 0.0000, 0.0000,
0.0000

■ 31.5074, 44.3952,
59.1331

■ 31.5074, 44.3952,
59.1331

■ 30.5568, 43.9061,
59.0895

■ 32.8966, 45.1124,
59.1992

■ 29.9891, 43.6135,
59.0628

■ 34.7643, 46.0752,
59.2868

■ 29.7071, 43.4681,
59.0494

■ 37.1501, 47.3051,
59.3986

■ 29.7045, 43.4668,
59.0493

■ 40.0886, 48.8199,
59.5362

■ 43.6114, 50.6360,
59.7012

■ 47.7477, 52.7683,
59.8949

■ 52.5247, 55.2310,
60.1186

■ 57.9680, 58.0371,
60.3735

■ 64.1019, 61.1992,
60.6607

Harmonies

Analogous

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



31.3546, 44.3952, 40.6911



31.5074, 44.3952, 59.1331



34.3310, 44.3952, 78.6490

Triad

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



31.5074, 44.3952, 59.1331



51.7594, 44.3952, 76.6539



45.0849, 44.3952, 21.5885

Complementary

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



31.5074, 44.3952, 59.1331



25.1199, 15.1809, 5.7454

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.



51.1796, 44.3952, 27.0289



31.5074, 44.3952, 59.1331



55.2869, 44.3952, 56.8893

Square

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



31.5074, 44.3952, 59.1331



45.8139, 44.3952, 90.3805



55.0646, 44.3952, 38.9452



38.7744, 44.3952, 21.9011

Rectangle

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



31.5074, 44.3952, 59.1331



37.5262, 44.3952, 88.2849



55.0646, 44.3952, 38.9452



47.2387, 44.3952, 22.7323

Sweetspot

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



31.5087, 44.3969, 59.1342



78.0185, 91.2199, 108.1024



22.4728, 40.7985, 10.8294



16.3020, 19.3201, 23.1198



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.



31.5087, 44.3969, 59.1342



54.7161, 79.2072, 107.0103



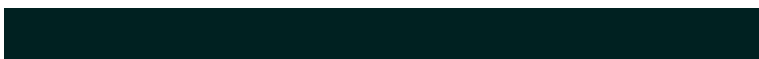
19.7230, 20.8250, 55.2064



10.3686, 11.4285, 12.9442



19.0858, 27.9284, 37.9406



0.8246, 1.2067, 1.6393

Inverse Universe

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



25.1199, 15.1809, 5.7454



42.4228, 22.9908, 4.2815



30.9172, 26.7757, 7.6776



10.0732, 10.0779, 10.4762



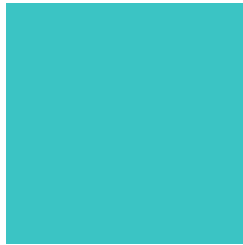
14.6275, 7.5408, 0.6846



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 31.5074, 44.3952, 59.1331 looks on a white background.

Color Contrast Check

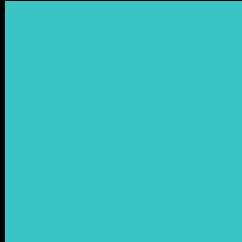
Large Text (above 18pt) WCAG AA × Fail

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 31.5074, 44.3952, 59.1331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

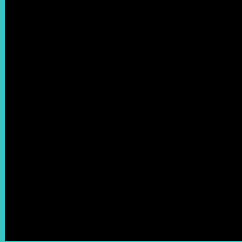
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

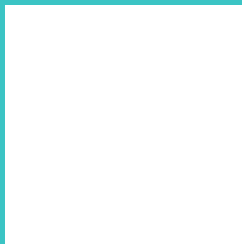
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5074, 44.3952, 59.1331

Background



This preview shows how black text looks on a background with the XYZ color 31.5074, 44.3952, 59.1331.

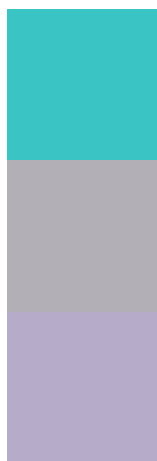


This preview shows how white text looks on a background with the XYZ color 31.5074, 44.3952,

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

31.5074, 44.3952, 59.1331

Protanopia

42.2373, 43.5438, 50.9784

Deuteranopia

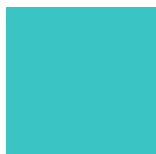
44.5865, 43.6672, 61.3370



Tritanopia

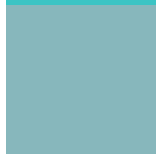
33.2394, 44.4300, 67.7967

Trichromacy



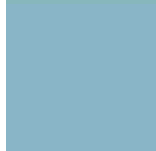
Original Color

31.5074, 44.3952, 59.1331



Protanomaly

36.0023, 42.6487, 53.9115



Deuteranomaly

37.1492, 42.4896, 60.2762



Tritanomaly

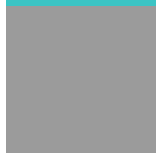
32.6489, 44.5280, 64.6316

Monochromacy



Original Color

31.5074, 44.3952, 59.1331



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.3762, 35.6448, 43.3621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5074, 44.3952, 59.1331 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, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 196)  
}
```

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, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 31.5074, 44.3952, 59.1331 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, 196, 196) }
```


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

```
.border{ border-color:rgb(59, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 196);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5074, 44.3952, 59.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 196) }
```

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

```
.background{ background-color: rgb(59, 196,  
196) }
```

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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