

Converting Colors

XYZ(31.9625, 44.5732, 61.5583)

Have a look what the booklet for
XYZ(31.9625, 44.5732, 61.5583)
contains.

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Color

**XYZ(31.9689, 44.5798,
61.5634)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC4C8
RGB	59, 196, 200
RGB Percent	23%, 77%, 78%
CMY	0.7686, 0.2314, 0.2157
CMYK	0.70, 0.02, 0.00, 0.22
HSL	182°, 56%, 51%
HSV	182°, 70%, 78%
XYZ	31.9689, 44.5798, 61.5634
YIQ	155.4930, -82.9360, -27.8000

Conversions

Conversions Part 2

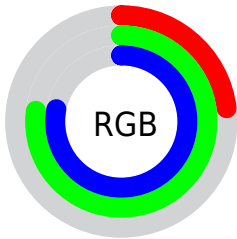
Format	Color
R _Y B	59, 128, 200
Decimal	3917000
CIE Lab	72.61, -34.24, -12.60
CIE LCh	73, 36.480, 200.201
Yxy	44.5798, 0.2315, 0.3228
Android (android.graphics.Color)	4282107080 (0xFF3BC4C8)
YUV	155.4930, 21.9420, -84.6244
Hunter-Lab	66.7681, -31.3775, -7.9306

Details

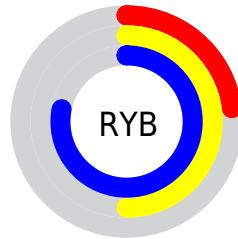
The XYZ color **31.9689, 44.5798, 61.5634** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.3874, 16.1513, 5.8657**, and the grayscale version is **31.3080, 32.9385, 35.8700**.

A 20% lighter version of the original color is **61.7795, 81.9062, 107.1611**, and **14.8613, 21.4213, 30.5456** is the 20% darker color. If you saturate the color by 10%, you get **30.8754, 43.8275, 61.4766**, and if you desaturate by 10%, it is **33.5195, 45.5704, 61.6737**.

Distribution



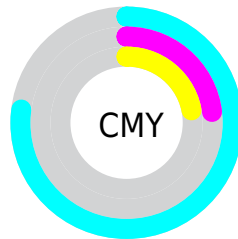
- Red (23%)
- Green (77%)
- Blue (78%)



- Red (23%)
- Yellow (50%)
- Blue (78%)



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



- Cyan (77%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9689, 44.5798, 61.5634 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 31.9689, 44.5798, 61.5634 by changing the saturation by 10% instead.

31.9689, 44.5798,
61.5634

31.9689, 44.5798,
61.5634

302.7254,
365.0691, 448.3003

21.4932, 31.1266,
44.2465

62.1279, 82.0895,
108.6597

13.5995, 20.6953,
30.5257

82.5418, 106.9148,
139.2763

7.9225, 12.9014,
19.9825

106.9992,
136.2995, 175.1631

4.0968, 7.3607,
12.1984

135.8654,
170.6281, 216.7387

1.7570, 3.6887,
6.7548

169.5058,
210.2850, 264.4217

0.4916, 1.5010,
3.2331

208.2856,

0.0000, 0.2894,

255.6545, 318.6306

1.2149

252.5704,
307.1211, 379.7840

■ 0.0000, 0.0000,
0.0000

■ 31.9689, 44.5798,
61.5634

■ 31.9689, 44.5798,
61.5634

■ 30.8754, 43.8275,
61.4766

■ 33.5195, 45.5704,
61.6737

■ 30.1799, 43.2801,
61.4076

■ 35.5696, 46.8183,
61.8065

■ 29.7907, 42.9006,
61.3549

■ 38.1612, 48.3460,
61.9648

■ 41.3308, 50.1725,
62.1503

■ 45.1119, 52.3149,
62.3645

■ 49.5352, 54.7891,
62.6090

■ 54.6295, 57.6099,
62.8849

■ 60.4217, 60.7912,
63.1937

■ 66.9374, 64.3462,
63.5365

Harmonies

Analogous

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



31.4991, 44.5798, 42.8597



31.9689, 44.5798, 61.5634



35.0662, 44.5798, 80.4529

Triad

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



31.9689, 44.5798, 61.5634



52.4004, 44.5798, 74.3700



44.4717, 44.5798, 21.7069

Complementary

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



31.9689, 44.5798, 61.5634



26.3874, 16.1513, 5.8657

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.



50.6275, 44.5798, 26.4275



31.9689, 44.5798, 61.5634



55.4963, 44.5798, 54.7008

Square

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



31.9689, 44.5798, 61.5634



46.7038, 44.5798, 89.0281



54.8171, 44.5798, 37.4961



38.3162, 44.5798, 22.6751

Rectangle

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



31.9689, 44.5798, 61.5634



38.3912, 44.5798, 89.1533



54.8171, 44.5798, 37.4961



46.6184, 44.5798, 22.6249

Sweetspot

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



31.9703, 44.5815, 61.5645



77.5360, 90.2549, 107.9421



23.3108, 42.5801, 11.4559



16.1853, 19.0865, 23.0810



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.



31.9703, 44.5815, 61.5645



52.6889, 75.2975, 106.3646



19.8391, 20.3192, 57.5208



10.9199, 12.0139, 13.6609



18.9534, 27.3008, 39.0150



0.9058, 1.3093, 1.8501

Inverse Universe

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



35.3484, 19.3941, 54.1067



59.0171, 29.4927, 92.0847



32.8411, 29.0587, 8.0169



11.0696, 10.8112, 13.3499



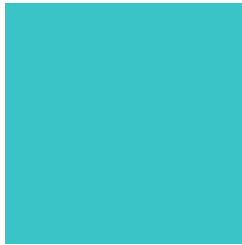
21.3662, 10.2960, 33.4676



1.0159, 0.4892, 1.6068

Previews

White Background



This preview shows how the XYZ color 31.9689, 44.5798, 61.5634 looks on a white background.

Color Contrast Check

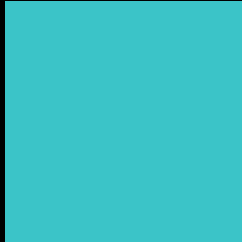
Large Text (above 18pt) WCAG AA × Fail

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 31.9689, 44.5798, 61.5634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

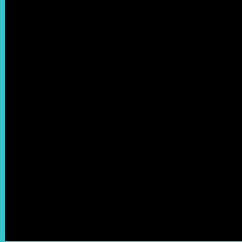
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

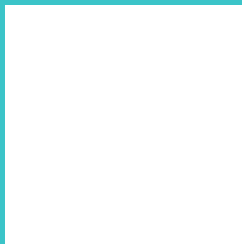
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9689, 44.5798, 61.5634

Background



This preview shows how black text looks on a background with the XYZ color 31.9689, 44.5798, 61.5634.

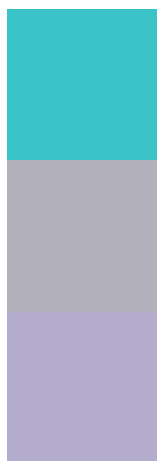


This preview shows how white text looks on a background with the XYZ color 31.9689, 44.5798,

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

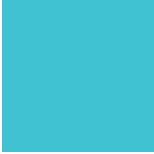
31.9689, 44.5798, 61.5634

Protanopia

42.6264, 43.9856, 53.2571

Deuteranopia

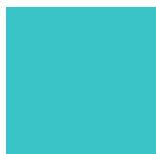
44.5944, 43.6161, 63.8260



Tritanopia

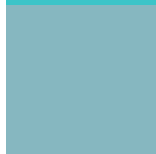
33.1046, 44.3605, 67.7904

Trichromacy



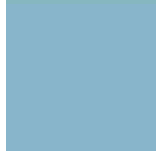
Original Color

31.9689, 44.5798, 61.5634



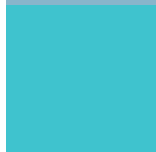
Protanomaly

36.2794, 42.7411, 56.2069



Deuteranomaly

37.4567, 42.5938, 62.7472



Tritanomaly

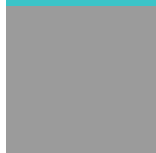
32.7056, 44.5432, 65.2665

Monochromacy



Original Color

31.9689, 44.5798, 61.5634



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 31.9689, 44.5798, 61.5634 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 200) }
```

Border

The CSS property to change the border of an element to XYZ 31.9689, 44.5798, 61.5634 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, 200) }
```


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

```
.border{ border-color:rgb(59, 196, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 200);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9689, 44.5798, 61.5634 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, 200) }
```

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

```
.background{ background-color: rgb(59, 196,  
200) }
```

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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