

Converting Colors

XYZ(31.1346, 43.8752, 58.4568)

Have a look what the booklet for
XYZ(31.1346, 43.8752, 58.4568)
contains.

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Color

**XYZ(31.1691, 43.9002,
58.4606)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC3C3
RGB	59, 195, 195
RGB Percent	23%, 76%, 76%
CMY	0.7686, 0.2353, 0.2353
CMYK	0.70, 0.00, 0.00, 0.24
HSL	180°, 54%, 50%
HSV	180°, 70%, 76%
XYZ	31.1691, 43.9002, 58.4606
YIQ	154.3360, -81.0560, -28.8320

Conversions

Conversions Part 2

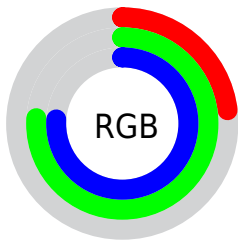
Format	Color
RYB	59, 127, 195
Decimal	3916739
CIELab	72.16, -35.21, -10.55
CIELCh	72, 36.756, 196.682
Yxy	43.9002, 0.2334, 0.3288
Android (android.graphics.Color)	4282106819 (0xFF3BC3C3)
YUV	154.3360, 20.0474, -83.6097
Hunter-Lab	66.2572, -31.9792, -5.9332

Details

The XYZ color **31.1691, 43.9002, 58.4606** 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 **24.8606, 15.0472, 5.7332**, and the grayscale version is **30.8046, 32.4088, 35.2932**.

A 20% lighter version of the original color is **60.8272, 81.0215, 103.6996**, and **14.3326, 20.9728, 28.4921** is the 20% darker color. If you saturate the color by 10%, you get **30.2223, 43.4131, 58.4171**, and if you desaturate by 10%, it is **32.5501, 44.6131, 58.5264**.

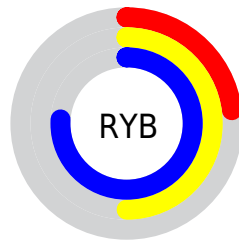
Distribution



Red (23%)

Green (76%)

Blue (76%)



Red (23%)

Yellow (50%)

Blue (76%)

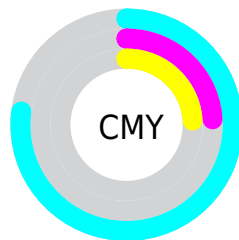


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (24%)



Cyan (77%)

Magenta (24%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1691, 43.9002, 58.4606 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 31.1691, 43.9002, 58.4606 by changing the saturation by 10% instead.

■ 31.1691, 43.9002,
58.4606

■ 31.1691, 43.9002,
58.4606

■ 299.1296,
362.3009, 436.5461

■ 20.8801, 30.5921,
41.7619

■ 60.8802, 81.0675,
104.1147

■ 13.1484, 20.2884,
28.5907

■ 81.0331, 105.6955,
133.9072

■ 7.6085, 12.6049,
18.5285

■ 105.2046,
134.8656, 168.9013

■ 3.8951, 7.1570,
11.1567

■ 133.7601,
168.9621, 209.5157

■ 1.6430, 3.5605,
6.0569

■ 167.0651,
208.3695, 256.1688

■ 0.4202, 1.4309,
2.8103

205.4847,

■ 0.0000, 0.2393,

253.4722, 309.2792

0.9986

249.3844,
304.6545, 369.2655

■ 0.0000, 0.0000,
0.0000

■ 31.1691, 43.9002,
58.4606

■ 31.1691, 43.9002,
58.4606

■ 30.2223, 43.4131,
58.4171

■ 32.5501, 44.6131,
58.5264

■ 29.6549, 43.1206,
58.3904

■ 34.4043, 45.5690,
58.6133

■ 29.3726, 42.9750,
58.3771

■ 36.7711, 46.7891,
58.7242

■ 29.3662, 42.9718,
58.3768

■ 39.6845, 48.2910,
58.8607

■ 43.1757, 50.0908,
59.0242

■ 47.2733, 52.2032,
59.2161

■ 52.0044, 54.6421,
59.4376

■ 57.3941, 57.4206,
59.6900

■ 63.4664, 60.5510,
59.9743

Harmonies

Analogous

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



31.0179, 43.9002, 40.2487



31.1691, 43.9002, 58.4606



33.9583, 43.9002, 77.7270

Triad

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



31.1691, 43.9002, 58.4606



51.1693, 43.9002, 75.7537



44.5776, 43.9002, 21.3741

Complementary

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



31.1691, 43.9002, 58.4606



24.8606, 15.0472, 5.7332

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.



50.5957, 43.9002, 26.7496



31.1691, 43.9002, 58.4606



54.6517, 43.9002, 56.2409

Square

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



31.1691, 43.9002, 58.4606



45.2988, 43.9002, 89.3041



54.4318, 43.9002, 38.5210



38.3458, 43.9002, 21.6836

Rectangle

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



31.1691, 43.9002, 58.4606



37.1143, 43.9002, 87.2377



54.4318, 43.9002, 38.5210



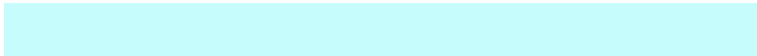
46.7043, 43.9002, 22.5043

Sweetspot

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



31.1704, 43.9019, 58.4616



76.2628, 89.1624, 105.6598



22.2469, 40.3483, 10.7543



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.



31.1704, 43.9019, 58.4616



53.4840, 77.4195, 104.5922



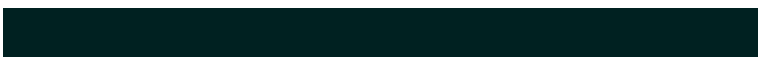
19.5410, 20.6427, 54.5861



10.3686, 11.4285, 12.9442



19.0858, 27.9284, 37.9405



0.8246, 1.2067, 1.6393

Inverse Universe

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



24.8606, 15.0472, 5.7332



41.4699, 22.4796, 4.1961



30.5968, 26.5197, 7.6450



10.0732, 10.0779, 10.4762



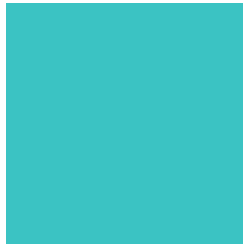
14.6275, 7.5408, 0.6846



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 31.1691, 43.9002, 58.4606 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 31.1691, 43.9002, 58.4606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

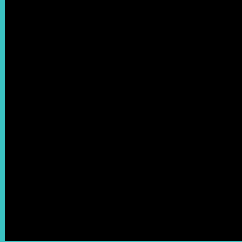
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

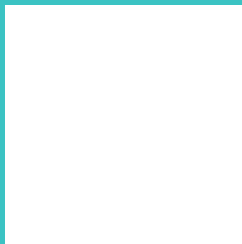
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1691, 43.9002, 58.4606

Background



This preview shows how black text looks on a background with the XYZ color 31.1691, 43.9002, 58.4606.

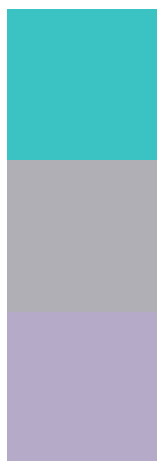


This preview shows how white text looks on a background with the XYZ color 31.1691, 43.9002,

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

31.1691, 43.9002, 58.4606

Protanopia

41.9049, 43.3845, 50.4214

Deuteranopia

44.0443, 43.1197, 60.6451



Tritanopia

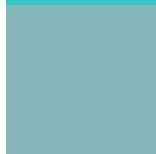
32.8933, 43.9367, 67.0686

Trichromacy



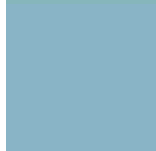
Original Color

31.1691, 43.9002, 58.4606



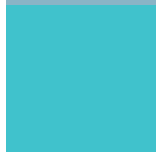
Protanomaly

35.5291, 42.1121, 53.2696



Deuteranomaly

36.8308, 42.0381, 59.5991



Tritanomaly

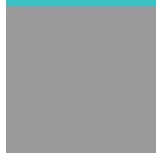
32.3052, 44.0332, 63.9233

Monochromacy



Original Color

31.1691, 43.9002, 58.4606



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.9571, 35.1624, 42.7969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1691, 43.9002, 58.4606 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, 195, 195)` looks like.

```
.text, #text, p{  
    color:rgb(59, 195, 195)  
}
```

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, 195, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 195, 195) }
```

Border

The CSS property to change the border of an element to XYZ 31.1691, 43.9002, 58.4606 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, 195, 195) }
```


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

```
.border{ border-color:rgb(59, 195, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 195, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 195, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 195, 195);  
box-shadow:4px 4px 4px 4px rgb(59, 195,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1691, 43.9002, 58.4606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 195, 195) }
```

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

```
.background{ background-color: rgb(59, 195,  
195) }
```

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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