

Converting Colors

XYZ(31.8525, 45.2964, 53.5012)

Have a look what the booklet for
XYZ(31.8525, 45.2964, 53.5012)
contains.

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Color

**XYZ(31.8810, 45.3892,
53.5351)**

Conversions

Conversions Part 1

Format	Color
Hex	4AC6BA
RGB	74, 198, 186
RGB Percent	29%, 78%, 73%
CMY	0.7098, 0.2235, 0.2706
CMYK	0.63, 0.00, 0.06, 0.22
HSL	174°, 52%, 53%
HSV	174°, 63%, 78%
XYZ	31.8810, 45.3892, 53.5351
YIQ	159.5560, -70.0520, -30.0200

Conversions

Conversions Part 2

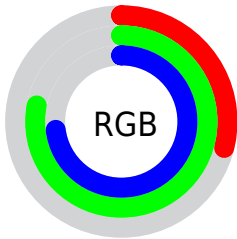
Format	Color
RYB	74, 139, 198
Decimal	4900538
CIELab	73.15, -36.85, -4.15
CIELCh	73, 37.086, 186.428
Yxy	45.3892, 0.2437, 0.3470
Android (android.graphics.Color)	4283090618 (0xFF4AC6BA)
YUV	159.5560, 13.0369, -75.0326
Hunter-Lab	67.3715, -33.4318, 0.0467

Details

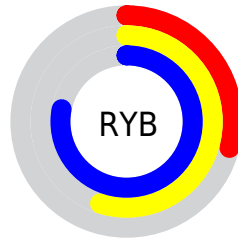
The XYZ color **31.8810, 45.3892, 53.5351** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **27.4186, 17.5764, 10.7529**, and the grayscale version is **33.1757, 34.9034, 38.0098**.

A 20% lighter version of the original color is **61.9404, 83.1650, 96.7923**, and **14.0561, 21.3384, 25.5682** is the 20% darker color. If you saturate the color by 10%, you get **30.3878, 44.6439, 52.4097**, and if you desaturate by 10%, it is **33.8592, 46.3864, 54.6995**.

Distribution



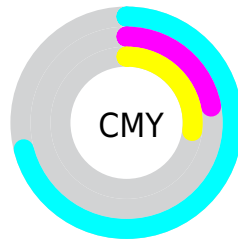
- Red (29%)
- Green (78%)
- Blue (73%)



- Red (29%)
- Yellow (55%)
- Blue (78%)



- Cyan (63%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)





- Cyan (71%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8810, 45.3892, 53.5351 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 31.8810, 45.3892, 53.5351 by changing the saturation by 10% instead.


 31.8810, 45.3892,
53.5351


 31.8810, 45.3892,
53.5351


302.3317,
368.3476, 417.4591


 21.4257, 31.7641,
37.8395


 61.9909, 83.3041,
96.8408


 13.5498, 21.1814,
25.5573


 82.3763, 108.3628,
125.2880

 7.8878, 13.2566,
16.2699


 106.8025,
138.0014, 158.8227

 4.0744, 7.6055,
9.5589

 135.6347,
172.6043, 197.8636

 1.7443, 3.8436,
5.0058

169.2384,
212.5560, 242.8291

 0.4838, 1.5865,
2.1918

207.9789,

 0.0000, 0.3484,

258.2408, 294.1378

0.6697

252.2215,
310.0432, 352.2083

■ 0.0000, 0.0000,
0.0000

■ 31.8810, 45.3892,
53.5351

■ 31.8810, 45.3892,
53.5351

■ 30.3878, 44.6439,
52.4097

■ 33.8592, 46.3864,
54.6995

■ 29.3289, 44.1210,
51.3178

■ 36.3592, 47.6511,
55.9016

■ 28.6494, 43.7935,
50.2578

■ 39.4187, 49.2040,
57.1443

■ 28.3152, 43.6378,
49.4929

■ 43.0709, 51.0622,
58.4292

■ 47.3463, 53.2412,
59.7577

■ 52.2734, 55.7559,
61.1313

■ 57.8788, 58.6200,
62.5512

■ 64.1878, 61.8465,
64.0186

■ 71.2243, 65.4476,
65.5348

Harmonies

Analogous

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



32.6753, 45.3892, 36.4512



31.8810, 45.3892, 53.5351



33.8510, 45.3892, 73.8524

Triad

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



31.8810, 45.3892, 53.5351



50.9915, 45.3892, 84.1539



48.3315, 45.3892, 23.3495

Complementary

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



31.8810, 45.3892, 53.5351



27.4186, 17.5764, 10.7529

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.



53.9920, 45.3892, 31.0768



31.8810, 45.3892, 53.5351



55.6324, 45.3892, 65.1518

Square

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



31.8810, 45.3892, 53.5351



44.5546, 45.3892, 94.1738



56.7820, 45.3892, 45.5235



41.7578, 45.3892, 21.7149

Rectangle

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



31.8810, 45.3892, 53.5351



36.5958, 45.3892, 85.6204



56.7820, 45.3892, 45.5235



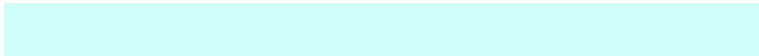
50.4236, 45.3892, 25.2057

Sweetspot

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



31.8823, 45.3909, 53.5362



78.6706, 91.6423, 104.2403



25.3061, 42.8818, 13.4226



16.3901, 19.3867, 22.1671



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.



31.8823, 45.3909, 53.5362



53.0696, 78.6862, 92.1208



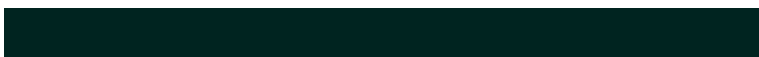
23.6712, 26.8401, 57.3611



10.9007, 12.0492, 13.4275



18.4310, 28.3848, 32.2776



0.8859, 1.3493, 1.5977

Inverse Universe

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



27.4186, 17.5764, 10.7529



44.5923, 25.5118, 10.6088



31.6839, 26.8170, 9.9857



10.6749, 10.6533, 11.2712



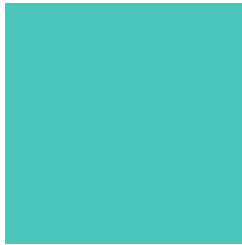
15.2373, 7.8445, 1.1933



0.7361, 0.3773, 0.1332

Previews

White Background



This preview shows how the XYZ color 31.8810, 45.3892, 53.5351 looks on a white background.

Color Contrast Check

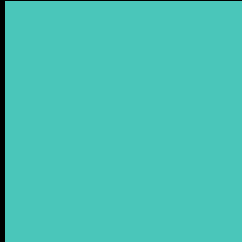
Large Text (above 18pt) WCAG AA × Fail

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 31.8810, 45.3892, 53.5351 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

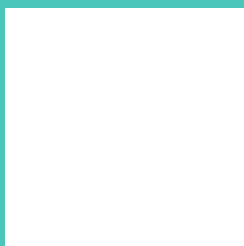
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8810, 45.3892, 53.5351

Background



This preview shows how black text looks on a background with the XYZ color 31.8810, 45.3892, 53.5351.

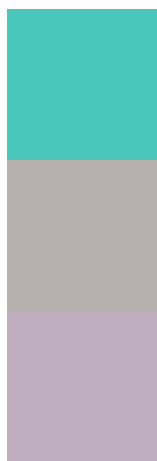


This preview shows how white text looks on a background with the XYZ color 31.8810, 45.3892,

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

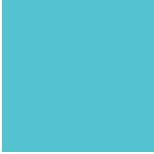
31.8810, 45.3892, 53.5351

Protanopia

42.6535, 44.4454, 46.3751

Deuteranopia

45.5827, 44.5959, 55.4956



Tritanopia

34.6710, 45.1680, 67.8637

Trichromacy



Original Color

31.8810, 45.3892, 53.5351

Protanomaly

36.7125, 43.7519, 48.6295

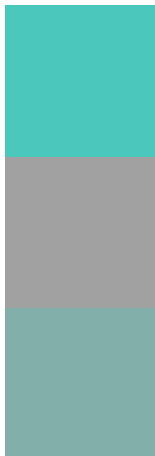
Deuteranomaly

38.1260, 43.4259, 54.5167

Tritanomaly

33.4511, 44.9966, 62.1805

Monochromacy



Original Color

31.8810, 45.3892, 53.5351

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.3507, 37.8038, 43.1806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8810, 45.3892, 53.5351 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(74, 198, 186)` looks like.

```
.text, #text, p{  
    color:rgb(74, 198, 186)  
}
```

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(74, 198, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 198, 186) }
```

Border

The CSS property to change the border of an element to XYZ 31.8810, 45.3892, 53.5351 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(74, 198, 186) }
```


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

```
.border{ border-color:rgb(74, 198, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 198, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(74, 198, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(74, 198, 186); box-shadow:4px 4px 4px 4px rgb(74, 198, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8810, 45.3892, 53.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 198, 186) }
```

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

```
.background{ background-color: rgb(74, 198,  
186) }
```

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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