

Converting Colors

XYZ(31.9514, 43.9148, 64.1285)

Have a look what the booklet for
XYZ(31.9514, 43.9148, 64.1285)
contains.

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Color

**XYZ(31.8782, 43.8131,
63.9034)**

Conversions

Conversions Part 1

Format	Color
Hex	39C2CC
RGB	57, 194, 204
RGB Percent	22%, 76%, 80%
CMY	0.7764, 0.2392, 0.2000
CMYK	0.72, 0.05, 0.00, 0.20
HSL	184°, 59%, 51%
HSV	184°, 72%, 80%
XYZ	31.8782, 43.8131, 63.9034
YIQ	154.1770, -84.8620, -25.9340

Conversions

Conversions Part 2

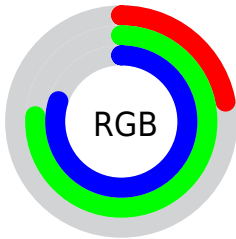
Format	Color
RYB	57, 128, 204
Decimal	3785420
CIELab	72.10, -32.36, -15.55
CIELCh	72, 35.903, 205.660
Yxy	43.8131, 0.2284, 0.3139
Android (android.graphics.Color)	4281975500 (0xFF39C2CC)
YUV	154.1770, 24.5627, -85.2242
Hunter-Lab	66.1915, -29.8684, -10.9065

Details

The XYZ color **31.8782, 43.8131, 63.9034** 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 **27.6485, 17.1482, 5.7248**, and the grayscale version is **30.7168, 32.3165, 35.1926**.

A 20% lighter version of the original color is **61.0046, 80.5743, 106.9449**, and **14.8831, 20.9582, 32.1151** is the 20% darker color. If you saturate the color by 10%, you get **30.6333, 42.7159, 63.7580**, and if you desaturate by 10%, it is **33.5957, 45.1600, 64.0737**.

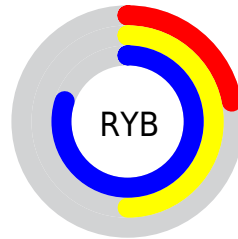
Distribution



Red (22%)

Green (76%)

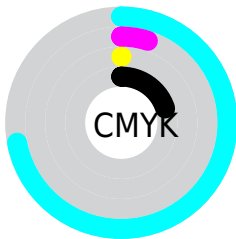
Blue (80%)



Red (22%)

Yellow (50%)

Blue (80%)

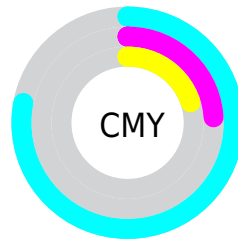


Cyan (72%)

Magenta (5%)

Yellow (0%)

Black (20%)



Cyan (78%)

Magenta (24%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8782, 43.8131, 63.9034 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 31.8782, 43.8131, 63.9034 by changing the saturation by 10% instead.

■ 31.8782, 43.8131,
63.9034

■ 31.8782, 43.8131,
63.9034

302.3192,
361.9450, 457.0386

■ 21.4236, 30.5236,
46.1268

■ 61.9866, 80.9364,
112.0699

■ 13.5482, 20.2364,
31.9965

■ 82.3711, 105.5391,
143.2969

■ 7.8867, 12.5670,
21.0940

■ 106.7962,
134.6815, 179.8444

■ 4.0737, 7.1310,
13.0008

■ 135.6273,
168.7482, 222.1309

■ 1.7439, 3.5442,
7.2984

■ 169.2298,
208.1235, 270.5751

■ 0.4835, 1.4220,
3.5681

207.9691,

■ 0.0000, 0.2329,

253.1918, 325.5954

1.3915

252.2104,
304.3375, 387.6104

■ 0.0000, 0.0000,
0.1351

■ 0.0000, 0.0000,
0.0000

■ 31.8782, 43.8131,
63.9034

■ 31.8782, 43.8131,
63.9034

■ 30.6333, 42.7159,
63.7580

■ 33.5957, 45.1600,
64.0737

■ 29.7970, 41.8327,
63.6317

■ 35.8316, 46.7776,
64.2681

■ 29.3398, 41.2409,
63.5415

■ 38.6309, 48.6899,
64.4896

■ 42.0326, 50.9171,
64.7402

■ 46.0721, 53.4774,
65.0215

■ 50.7822, 56.3878,
65.3350

■ 56.1934, 59.6639,
65.6822

■ 62.3343, 63.3205,
66.0643

■ 69.2318, 67.3716,
66.4827

Harmonies

Analogous

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



30.9411, 43.8131, 45.1909



31.8782, 43.8131, 63.9034



35.3294, 43.8131, 81.4413

Triad

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



31.8782, 43.8131, 63.9034



52.1768, 43.8131, 69.4436



42.5432, 43.8131, 21.3005

Complementary

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



31.8782, 43.8131, 63.9034



27.6485, 17.1482, 5.7248

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.



48.6674, 43.8131, 24.8707



31.8782, 43.8131, 63.9034



54.5655, 43.8131, 50.3107

Square

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



31.8782, 43.8131, 63.9034



46.9699, 43.8131, 85.1525



53.2224, 43.8131, 34.5051



36.7349, 43.8131, 23.2493

Rectangle

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



31.8782, 43.8131, 63.9034



38.7857, 43.8131, 88.5550



53.2224, 43.8131, 34.5051



44.6373, 43.8131, 21.8644

Sweetspot

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



31.8796, 43.8147, 63.9045



76.1314, 88.4579, 107.6693



24.2884, 44.4595, 12.5815



15.8802, 18.6730, 23.0172



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.



31.8796, 43.8147, 63.9045



49.9517, 69.9589, 105.4784



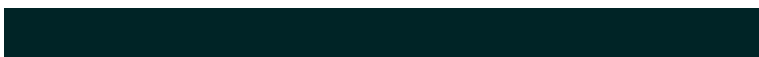
19.3888, 18.8331, 59.7409



11.4754, 12.5913, 14.3959



18.4943, 26.0126, 40.0024



0.9742, 1.3821, 2.0704

Inverse Universe

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



36.1037, 19.6599, 52.9326



57.6024, 28.7999, 85.0259



35.0636, 31.9784, 8.1965



11.6533, 11.3901, 13.9750



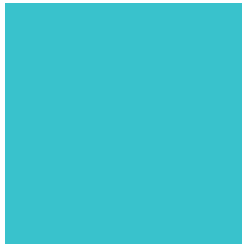
21.5460, 10.4290, 31.6574



1.1217, 0.5421, 1.6865

Previews

White Background



This preview shows how the XYZ color 31.8782, 43.8131, 63.9034 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 31.8782, 43.8131, 63.9034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

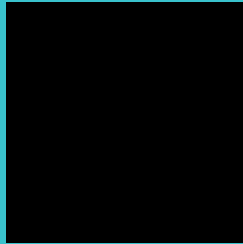
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

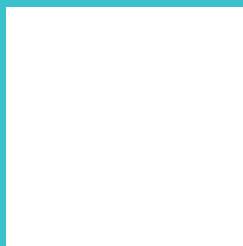
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8782, 43.8131, 63.9034

Background



This preview shows how black text looks on a background with the XYZ color 31.8782, 43.8131, 63.9034.

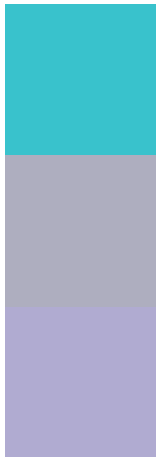


This preview shows how white text looks on a background with the XYZ color 31.8782, 43.8131,

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

31.8782, 43.8131, 63.9034

Protanopia

41.9956, 43.0324, 55.3829

Deuteranopia

43.9760, 42.9594, 66.2958



Tritanopia

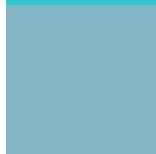
32.4421, 43.7040, 67.0474

Trichromacy



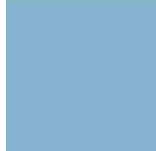
Original Color

31.8782, 43.8131, 63.9034



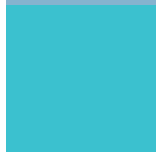
Protanomaly

35.8478, 41.8586, 58.4147



Deuteranomaly

37.0555, 41.7317, 65.1335



Tritanomaly

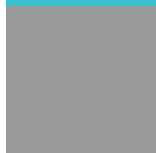
32.1361, 43.5747, 65.7485

Monochromacy



Original Color

31.8782, 43.8131, 63.9034



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.2421, 35.2764, 44.2975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8782, 43.8131, 63.9034 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(57, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(57, 194, 204)  
}
```

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(57, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 194, 204) }
```

Border

The CSS property to change the border of an element to XYZ 31.8782, 43.8131, 63.9034 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(57, 194, 204) }
```


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

```
.border{ border-color:rgb(57, 194, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 194, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(57, 194,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8782, 43.8131, 63.9034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 194, 204) }
```

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

```
.background{ background-color: rgb(57, 194,  
204) }
```

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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