

Converting Colors

XYZ(31.3832, 43.8615, 65.2046)

Have a look what the booklet for
XYZ(31.3832, 43.8615, 65.2046)
contains.

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Color

**XYZ(31.3832, 43.8615,
65.2046)**

Conversions

Conversions Part 1

Format	Color
Hex	24C3CE
RGB	36, 195, 206
RGB Percent	14%, 76%, 81%
CMY	0.8588, 0.2353, 0.1922
CMYK	0.83, 0.05, 0.00, 0.19
HSL	184°, 70%, 47%
HSV	184°, 83%, 81%
XYZ	31.3832, 43.8615, 65.2046
YIQ	148.7130, -98.2950, -30.2870

Conversions

Conversions Part 2

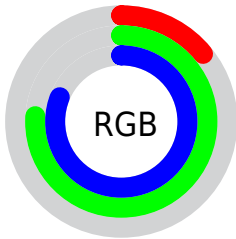
Format	Color
RYP	36, 118, 206
Decimal	2409422
CIELab	72.14, -34.31, -16.62
CIElCh	72, 38.123, 205.847
Yxy	43.8615, 0.2234, 0.3123
Android (android.graphics.Color)	4280599502 (0xFF24C3CE)
YUV	148.7130, 28.2425, -98.8493
Hunter-Lab	66.2280, -31.3140, -12.0142

Details

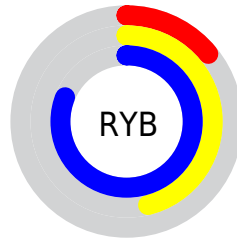
The XYZ color **31.3832, 43.8615, 65.2046** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **26.7897, 15.2836, 3.2083**, and the grayscale version is **28.3637, 29.8408, 32.4967**.

A 20% lighter version of the original color is **59.9306, 80.4856, 106.9843**, and **15.1924, 21.3168, 33.0196** is the 20% darker color. If you saturate the color by 10%, you get **30.5630, 42.9982, 65.0820**, and if you desaturate by 10%, it is **32.6220, 44.9464, 65.3495**.

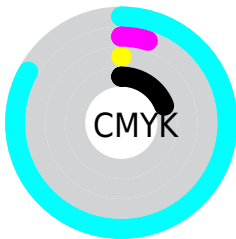
Distribution



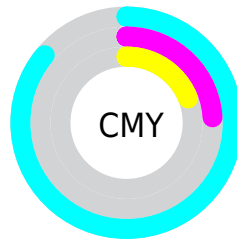
- Red (14%)
- Green (76%)
- Blue (81%)



- Red (14%)
- Yellow (46%)
- Blue (81%)



- Cyan (83%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)





- Cyan (86%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3832, 43.8615, 65.2046 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 31.3832, 43.8615, 65.2046 by changing the saturation by 10% instead.

 31.3832, 43.8615,
65.2046


 31.3832, 43.8615,
65.2046


300.0953,
362.1428, 461.8532


 21.0441, 30.5616,
47.1746

 61.2146, 81.0093,
113.9600


 13.2689, 20.2653,
32.8184


 81.4376, 105.6260,
145.5226


 7.6922, 12.5880,
21.7174


 105.6860,
134.7838, 182.4330

 3.9488, 7.1455,
13.4530

 134.3250,
168.8671, 225.1100

 1.6732, 3.5532,
7.6069

 167.7201,
208.2602, 273.9719

 0.4394, 1.4269,
3.7603

206.2366,

 0.0000, 0.2364,

253.3476, 329.4374

1.4948

250.2399,
304.5137, 391.9250

■ 0.0000, 0.0000,
0.2140

■ 0.0000, 0.0000,
0.0000

■ 31.3832, 43.8615,
65.2046

■ 31.3832, 43.8615,
65.2046

■ 30.5630, 42.9982,
65.0820

■ 32.6220, 44.9464,
65.3495

■ 30.1384, 42.4516,
64.9989

■ 34.3371, 46.2799,
65.5165

■ 36.5816, 47.8902,
65.7091

■ 39.4003, 49.8006,
65.9292

■ 42.8334, 52.0317,
66.1789

■ 46.9173, 54.6023,
66.4599

■ 51.6856, 57.5298,
66.7736

■ 57.1697, 60.8303,
67.1216

■ 63.3990, 64.5189,
67.5053

Harmonies

Analogous

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



30.3823, 43.8615, 45.2014



31.3832, 43.8615, 65.2046



35.0324, 43.8615, 84.1060

Triad

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



31.3832, 43.8615, 65.2046



52.9617, 43.8615, 70.9130



42.6047, 43.8615, 20.1299

Complementary

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



31.3832, 43.8615, 65.2046



26.7897, 15.2836, 3.2083

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.



49.1396, 43.8615, 23.7605



31.3832, 43.8615, 65.2046



55.5015, 43.8615, 50.4087

Square

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



31.3832, 43.8615, 65.2046



47.4036, 43.8615, 87.9600



54.0351, 43.8615, 33.7387



36.4533, 43.8615, 22.1631

Rectangle

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



31.3832, 43.8615, 65.2046



38.6948, 43.8615, 91.7772



54.0351, 43.8615, 33.7387



44.8339, 43.8615, 20.6955

Sweetspot

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



31.3846, 43.8631, 65.2057



74.0570, 87.2452, 107.5445



23.2641, 44.7043, 9.8366



15.3441, 18.3552, 22.9841



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.



31.3846, 43.8631, 65.2057



48.8507, 68.7740, 105.3077



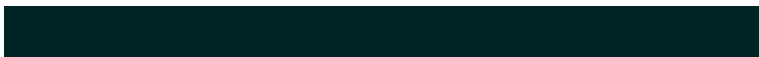
17.7193, 16.5326, 60.6506



11.4787, 12.5979, 14.3970



18.5856, 26.1952, 40.0329



0.9780, 1.3897, 2.0716

Inverse Universe

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



35.9360, 18.3249, 53.2745



56.7983, 27.5276, 83.7225



33.6899, 29.0841, 5.5084



11.6550, 11.3907, 13.9838



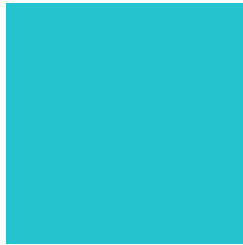
21.5921, 10.4474, 31.9001



1.1236, 0.5428, 1.6967

Previews

White Background



This preview shows how the XYZ color 31.3832, 43.8615, 65.2046 looks on a white background.

Color Contrast Check

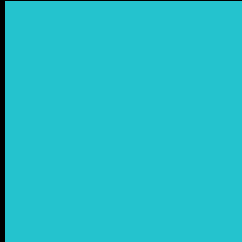
Large Text (above 18pt) WCAG AA × Fail

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 31.3832, 43.8615, 65.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

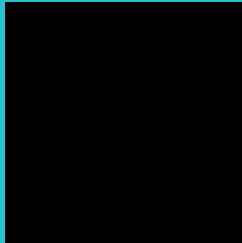
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

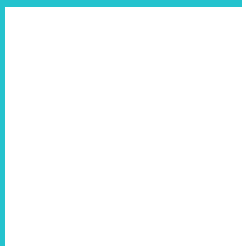
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3832, 43.8615, 65.2046

Background



This preview shows how black text looks on a background with the XYZ color 31.3832, 43.8615, 65.2046.



This preview shows how white text looks on a background with the XYZ color 31.3832, 43.8615,

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

31.3832, 43.8615, 65.2046

Protanopia

41.9953, 43.0066, 56.5398

Deuteranopia

44.1896, 43.3222, 67.6610



Tritanopia

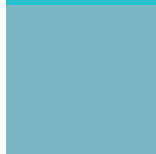
31.8391, 43.7081, 67.7312

Trichromacy



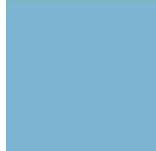
Original Color

31.3832, 43.8615, 65.2046



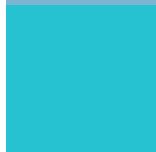
Protanomaly

35.0894, 41.7441, 59.6341



Deuteranomaly

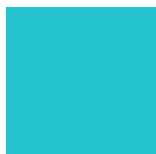
36.1421, 41.5311, 66.4330



Tritanomaly

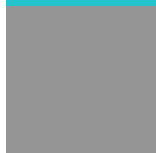
31.6371, 43.6184, 67.0733

Monochromacy



Original Color

31.3832, 43.8615, 65.2046



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.0763, 33.3629, 43.0428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3832, 43.8615, 65.2046 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(36, 195, 206)` looks like.

```
.text, #text, p{  
    color:rgb(36, 195, 206)  
}
```

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(36, 195, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 195, 206) }
```

Border

The CSS property to change the border of an element to XYZ 31.3832, 43.8615, 65.2046 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(36, 195, 206) }
```


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

```
.border{ border-color:rgb(36, 195, 206) }
```

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

Here you see how a box with a 4 pixel rgb(36, 195, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 195, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 195, 206);  
box-shadow:4px 4px 4px 4px rgb(36, 195,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3832, 43.8615, 65.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 195, 206) }
```

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

```
.background{ background-color: rgb(36, 195,  
206) }
```

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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