

Converting Colors

XYZ(33.8136, 50.0454, 65.4733)

Have a look what the booklet for
XYZ(33.8136, 50.0454, 65.4733)
contains.

XYZ(33.8199, 50.0087, 65.6278)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.8199, 50.0087,
65.6278)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1CD
RGB	0, 209, 205
RGB Percent	0%, 82%, 80%
CMY	0.9998, 0.1804, 0.1961
CMYK	1.00, 0.00, 0.02, 0.18
HSL	179°, 100%, 41%
HSV	179°, 100%, 82%
XYZ	33.8199, 50.0087, 65.6278
YIQ	146.0530, -123.2800, -45.5520

Conversions

Conversions Part 2

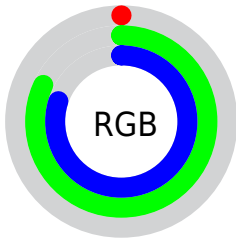
Format	Color
RYB	0, 106, 209
Decimal	53709
CIELab	76.07, -42.56, -10.19
CIELCh	76, 43.769, 193.467
Yxy	50.0087, 0.2263, 0.3346
Android (android.graphics.Color)	4278243789 (0xFF00D1CD)
YUV	146.0530, 29.0609, -128.0885
Hunter-Lab	70.7168, -38.3879, -5.5215

Details

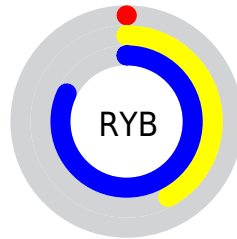
The XYZ color **33.8199, 50.0087, 65.6278** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.3180, 13.5656, 1.3475**, and the grayscale version is **27.2703, 28.6905, 31.2439**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.1415, 25.3456, 33.2669** is the 20% darker color. If you saturate the color by 10%, you get **33.8207, 50.0102, 65.6284**, and if you desaturate by 10%, it is **34.1773, 50.1885, 65.8982**.

Distribution



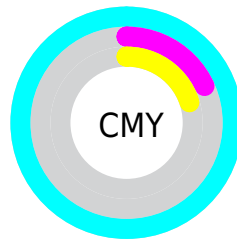
- Red (0%)
- Green (82%)
- Blue (80%)



- Red (0%)
- Yellow (42%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8199, 50.0087, 65.6278 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 33.8199, 50.0087, 65.6278 by changing the saturation by 10% instead.


 33.8199, 50.0087,
65.6278


 33.8199, 50.0087,
65.6278


310.9283,
386.7000, 463.4124


 22.9175, 35.4203,
47.5157


 64.9997, 90.1878,
114.5739

 14.6530, 23.9868,
33.0863


 86.0077, 116.5472,
146.2450


 8.6609, 15.3238,
21.9209


 111.1151,
147.5992, 183.2728

 4.5760, 9.0470,
13.6010

 140.6870,
183.7280, 226.0760

 2.0329, 4.7718,
7.7081

 175.0890,
225.3181, 275.0730

 0.6523, 2.1140,
3.8237

214.6863,

 0.0000, 0.6725,

272.7539, 330.6823

1.5291

259.8443,
326.4197, 393.3226

■ 0.0000, 0.0000,
0.2395

■ 0.0000, 0.0000,
0.0000

■ 33.8199, 50.0087,
65.6278

■ 33.8199, 50.0087,
65.6278

■ 33.8207, 50.0102,
65.6284

■ 34.1773, 50.1885,
65.8982

■ 34.8663, 50.5380,
66.1837

■ 36.0001, 51.1169,
66.4906

■ 37.6397, 51.9565,
66.8218

■ 39.8366, 53.0834,
67.1797

■ 42.6359, 54.5208,
67.5665

■ 46.0781, 56.2897,
67.9841

■ 50.2002, 58.4090,
68.4341

■ 55.0363, 60.8964,
68.9181

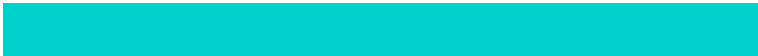
Harmonies

Analogous

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



33.9937, 50.0087, 42.6142



33.8199, 50.0087, 65.6278



37.0076, 50.0087, 91.6825

Triad

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



33.8199, 50.0087, 65.6278



59.1918, 50.0087, 94.1148



52.1487, 50.0087, 21.6815

Complementary

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



33.8199, 50.0087, 65.6278



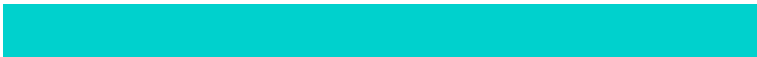
26.3180, 13.5656, 1.3475

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.



59.8830, 50.0087, 28.9727



33.8199, 50.0087, 65.6278



64.2576, 50.0087, 68.2988

Square

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



33.8199, 50.0087, 65.6278



51.2891, 50.0087, 111.0437



64.5241, 50.0087, 44.6211



43.9626, 50.0087, 21.3458

Rectangle

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



33.8199, 50.0087, 65.6278



40.8473, 50.0087, 105.5021



64.5241, 50.0087, 44.6211



54.9084, 50.0087, 23.2788

Sweetspot

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



33.8214, 50.0106, 65.6290



72.0500, 88.1702, 106.5971



22.8892, 45.6478, 7.6058



14.9052, 18.6066, 22.7553



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.



33.8214, 50.0106, 65.6290



53.0336, 78.4295, 102.8818



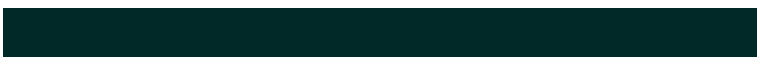
17.2476, 16.0799, 62.5183



12.1482, 13.4030, 15.1368



20.8566, 30.8356, 40.4867



1.1694, 1.7254, 2.2806

Inverse Universe

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



26.3180, 13.5656, 1.3475



41.2668, 21.2707, 2.0709



30.6221, 22.2089, 2.6741



11.8178, 11.8119, 12.3163



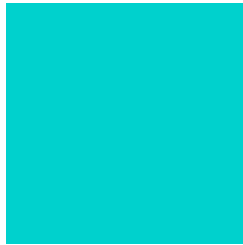
16.2301, 8.3649, 0.8517



0.9108, 0.4690, 0.0650

Previews

White Background



This preview shows how the XYZ color 33.8199, 50.0087, 65.6278 looks on a white background.

Color Contrast Check

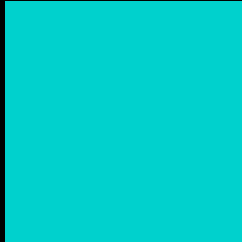
Large Text (above 18pt) WCAG AA × Fail

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 33.8199, 50.0087, 65.6278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

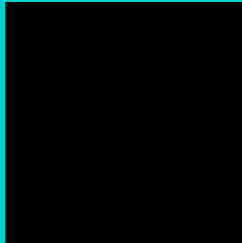
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

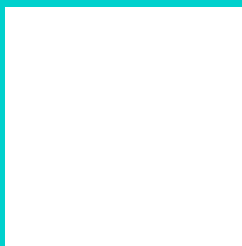
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8199, 50.0087, 65.6278

Background



This preview shows how black text looks on a background with the XYZ color 33.8199, 50.0087, 65.6278.

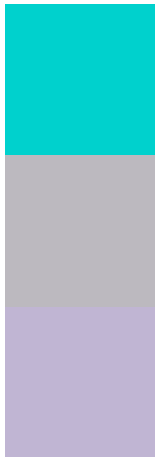


This preview shows how white text looks on a background with the XYZ color 33.8199, 50.0087,

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

33.8199, 50.0087, 65.6278

Protanopia

47.4920, 49.1509, 56.2742

Deuteranopia

50.0200, 48.9574, 68.4414



Tritanopia

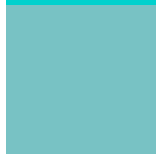
36.3050, 49.9417, 77.5383

Trichromacy



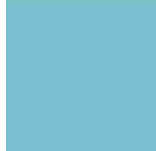
Original Color

33.8199, 50.0087, 65.6278



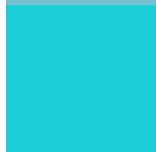
Protanomaly

37.0013, 46.5622, 59.2618



Deuteranomaly

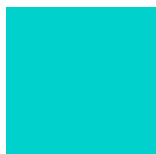
38.1655, 46.0026, 67.1895



Tritanomaly

35.1335, 49.8031, 72.7270

Monochromacy



Original Color

33.8199, 50.0087, 65.6278



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.6772, 33.4931, 41.6707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8199, 50.0087, 65.6278 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(0, 209, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 205)  
}
```

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(0, 209, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 205) }
```

Border

The CSS property to change the border of an element to XYZ 33.8199, 50.0087, 65.6278 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(0, 209, 205) }
```


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

```
.border{ border-color:rgb(0, 209, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8199, 50.0087, 65.6278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 205) }
```

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

```
.background{ background-color: rgb(0, 209,  
205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor