

Converting Colors

XYZ(33.5931, 51.0031, 59.5670)

Have a look what the booklet for
XYZ(33.5931, 51.0031, 59.5670)
contains.

XYZ(33.7031, 51.1865, 59.7334)	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(33.7031, 51.1865,
59.7334)**

Conversions

Conversions Part 1

Format	Color
Hex	15D4C3
RGB	21, 212, 195
RGB Percent	8%, 83%, 76%
CMY	0.9175, 0.1686, 0.2353
CMYK	0.90, 0.00, 0.08, 0.17
HSL	175°, 82%, 46%
HSV	175°, 90%, 83%
XYZ	33.7031, 51.1865, 59.7334
YIQ	152.9530, -108.3790, -45.7790

Conversions

Conversions Part 2

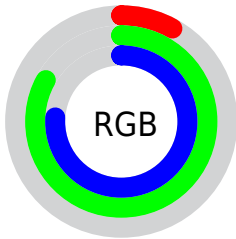
Format	Color
RYB	21, 121, 212
Decimal	1430723
CIELab	76.79, -46.06, -3.74
CIELCh	77, 46.216, 184.641
Yxy	51.1865, 0.2330, 0.3539
Android (android.graphics.Color)	4279620803 (0xFF15D4C3)
YUV	152.9530, 20.7292, -115.7228
Hunter-Lab	71.5447, -41.1160, 0.5795

Details

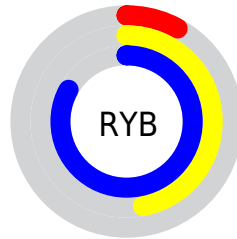
The XYZ color **33.7031, 51.1865, 59.7334** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.7713, 14.6750, 3.2050**, and the grayscale version is **30.2084, 31.7816, 34.6101**.

A 20% lighter version of the original color is **59.7281, 81.8645, 103.9202**, and **16.6962, 25.7000, 29.2799** is the 20% darker color. If you saturate the color by 10%, you get **33.1844, 50.9446, 58.6122**, and if you desaturate by 10%, it is **34.5737, 51.6117, 60.8964**.

Distribution



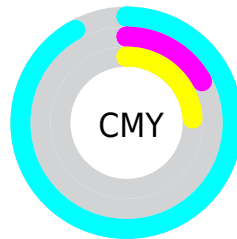
- Red (8%)
- Green (83%)
- Blue (76%)



- Red (8%)
- Yellow (47%)
- Blue (83%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)



- Cyan (92%)
- Magenta (17%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7031, 51.1865, 59.7334 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 33.7031, 51.1865, 59.7334 by changing the saturation by 10% instead.

33.7031, 51.1865,
59.7334

33.7031, 51.1865,
59.7334

310.4154,
391.2879, 441.3917

22.8274, 36.3571,
42.7799

64.8191, 91.9304,
105.9824

14.5861, 24.7101,
29.3823

85.7900, 118.6136,
136.1150

8.6138, 15.8612,
19.1222

110.8568,
150.0169, 171.4777

4.5453, 9.4260,
11.5809

140.3848,
186.5246, 212.4890

2.0150, 5.0201,
6.3399

174.7393,
228.5212, 259.5676

0.6424, 2.2590,
2.9807

214.2856,

0.0000, 0.7519,

276.3910, 313.1318

1.0848

259.3892,
330.5185, 373.6004

■ 0.0000, 0.0000,
0.0000

■ 33.7031, 51.1865,
59.7334

■ 33.7031, 51.1865,
59.7334

■ 33.1844, 50.9446,
58.6122

■ 34.5737, 51.6117,
60.8964

■ 35.9044, 52.2725,
62.0940

■ 37.7600, 53.2037,
63.3303

■ 40.1938, 54.4326,
64.6079

■ 43.2527, 55.9834,
65.9290

■ 46.9787, 57.8779,
67.2957

■ 51.4101, 60.1357,
68.7097

■ 56.5825, 62.7751,
70.1729

■ 62.5288, 65.8132,
71.6868

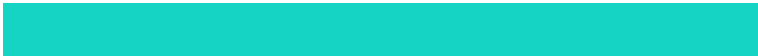
Harmonies

Analogous

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



34.9471, 51.1865, 37.5006



33.7031, 51.1865, 59.7334



36.0531, 51.1865, 87.9440

Triad

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



33.7031, 51.1865, 59.7334



58.8813, 51.1865, 105.6645



56.2378, 51.1865, 22.4892

Complementary

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



33.7031, 51.1865, 59.7334



27.7713, 14.6750, 3.2050

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.



63.8876, 51.1865, 32.5396



33.7031, 51.1865, 59.7334



65.5379, 51.1865, 79.0851

Square

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



33.7031, 51.1865, 59.7334



50.0286, 51.1865, 119.0675



67.4714, 51.1865, 51.9161



47.2994, 51.1865, 20.1225

Rectangle

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



33.7031, 51.1865, 59.7334



39.5295, 51.1865, 105.1333



67.4714, 51.1865, 51.9161



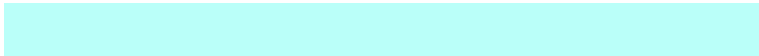
59.0783, 51.1865, 24.8938

Sweetspot

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



33.7046, 51.1884, 59.7346



73.1249, 88.8094, 102.8046



24.5598, 47.5964, 8.6034



15.1864, 18.7719, 21.8479



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.



33.7046, 51.1884, 59.7346



50.3680, 77.3632, 88.8445



20.9436, 22.4128, 65.5116



12.7423, 14.0879, 15.7233



20.5049, 31.4573, 36.2841



1.2511, 1.9031, 2.2638

Inverse Universe

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



27.7713, 14.6750, 3.2050



41.3917, 21.3207, 2.7287



31.6013, 22.6785, 3.4226



12.4677, 12.4386, 13.1372



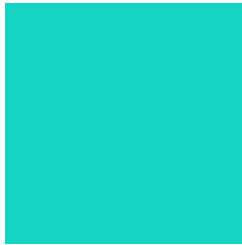
16.8497, 8.6762, 1.2464



1.0321, 0.5296, 0.1587

Previews

White Background



This preview shows how the XYZ color 33.7031, 51.1865, 59.7334 looks on a white background.

Color Contrast Check

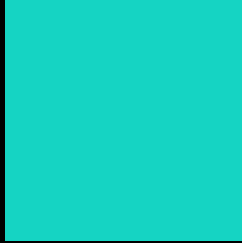
Large Text (above 18pt) WCAG AA × Fail

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 33.7031, 51.1865, 59.7334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

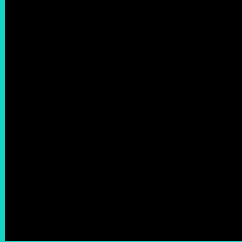
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

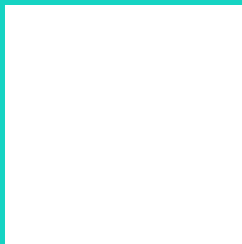
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7031, 51.1865, 59.7334

Background



This preview shows how black text looks on a background with the XYZ color 33.7031, 51.1865, 59.7334.

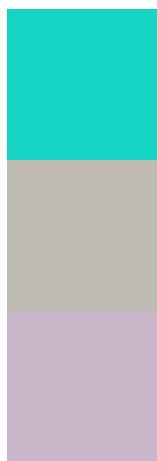


This preview shows how white text looks on a background with the XYZ color 33.7031, 51.1865,

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

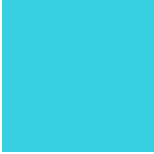
33.7031, 51.1865, 59.7334

Protanopia

48.1031, 50.2143, 50.8731

Deuteranopia

51.2955, 50.3634, 62.2759



Tritanopia

37.7220, 51.3602, 79.1595

Trichromacy



Original Color

33.7031, 51.1865, 59.7334



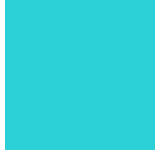
Protanomaly

37.8088, 47.7709, 53.6823



Deuteranomaly

39.5923, 47.8580, 61.1836



Tritanomaly

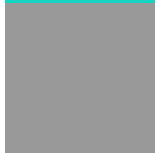
35.9343, 50.9696, 71.5625

Monochromacy



Original Color

33.7031, 51.1865, 59.7334



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.0296, 36.1025, 42.5370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7031, 51.1865, 59.7334 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(21, 212, 195)` looks like.

```
.text, #text, p{  
    color:rgb(21, 212, 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(21, 212, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 212, 195) }
```

Border

The CSS property to change the border of an element to XYZ 33.7031, 51.1865, 59.7334 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(21, 212, 195) }
```


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

```
.border{ border-color:rgb(21, 212, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 212, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 212, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 212, 195);  
box-shadow:4px 4px 4px 4px rgb(21, 212,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7031, 51.1865, 59.7334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 212, 195) }
```

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

```
.background{ background-color: rgb(21, 212,  
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](#).

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