

Converting Colors

XYZ(33.7133, 51.0580, 60.1789)

Have a look what the booklet for
XYZ(33.7133, 51.0580, 60.1789)
contains.

XYZ(33.8165, 51.2319, 60.3310)	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(33.8165, 51.2319,
60.3310)**

Conversions

Conversions Part 1

Format	Color
Hex	15D4C4
RGB	21, 212, 196
RGB Percent	8%, 83%, 77%
CMY	0.9176, 0.1686, 0.2314
CMYK	0.90, 0.00, 0.08, 0.17
HSL	175°, 82%, 46%
HSV	175°, 90%, 83%
XYZ	33.8165, 51.2319, 60.3310
YIQ	153.0670, -108.7000, -45.4680

Conversions

Conversions Part 2

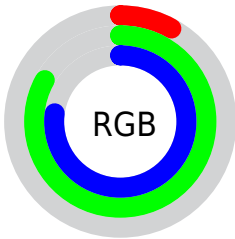
Format	Color
RYB	21, 121, 212
Decimal	1430724
CIELab	76.82, -45.79, -4.24
CIELCh	77, 45.982, 185.286
Yxy	51.2319, 0.2326, 0.3524
Android (android.graphics.Color)	4279620804 (0xFF15D4C4)
YUV	153.0670, 21.1660, -115.8228
Hunter-Lab	71.5765, -40.9260, 0.1286

Details

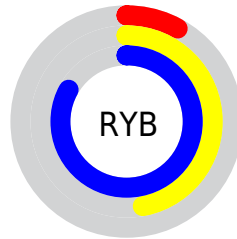
The XYZ color **33.8165, 51.2319, 60.3310** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.7552, 14.6684, 3.1206**, and the grayscale version is **30.2556, 31.8312, 34.6642**.

A 20% lighter version of the original color is **60.0452, 81.9914, 105.5897**, and **16.7710, 25.7299, 29.6736** is the 20% darker color. If you saturate the color by 10%, you get **33.3089, 50.9944, 59.2678**, and if you desaturate by 10%, it is **34.6757, 51.6525, 61.4342**.

Distribution



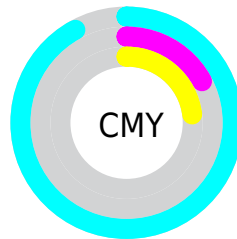
- Red (8%)
- Green (83%)
- Blue (77%)



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



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



- Cyan (92%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8165, 51.2319, 60.3310 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 33.8165, 51.2319, 60.3310 by changing the saturation by 10% instead.

33.8165, 51.2319,
60.3310

33.8165, 51.2319,
60.3310

310.9134,
391.4641, 443.6552

22.9149, 36.3932,
43.2584

64.9944, 91.9975,
106.8577

14.6510, 24.7380,
29.7550

86.0014, 118.6931,
137.1490

8.6595, 15.8820,
19.4023

111.1076,
150.1099, 172.6836

4.5751, 9.4407,
11.7816

140.6782,
186.6321, 213.8800

2.0324, 5.0297,
6.4744

175.0788,
228.6443, 261.1569

0.6520, 2.2647,
3.0622

214.6746,

0.0000, 0.7549,

276.5308, 314.9327

1.1265

259.8310,
330.6759, 375.6259

■ 0.0000, 0.0000,
0.0000

■ 33.8165, 51.2319,
60.3310

■ 33.8165, 51.2319,
60.3310

■ 33.3089, 50.9944,
59.2678

■ 34.6757, 51.6525,
61.4342

■ 35.9946, 52.3086,
62.5703

■ 37.8380, 53.2349,
63.7435

■ 40.2594, 54.4588,
64.9564

■ 43.3055, 56.0045,
66.2112

■ 47.0185, 57.8937,
67.5099

■ 51.4365, 60.1461,
68.8543

■ 56.5951, 62.7800,
70.2462

■ 62.5274, 65.8125,
71.6871

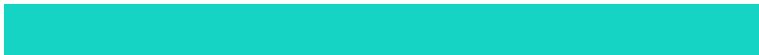
Harmonies

Analogous

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



34.9796, 51.2319, 37.9977



33.8165, 51.2319, 60.3310



36.2350, 51.2319, 88.4243

Triad

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



33.8165, 51.2319, 60.3310



59.0512, 51.2319, 104.9583



56.0566, 51.2319, 22.5120

Complementary

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



33.8165, 51.2319, 60.3310



27.7552, 14.6684, 3.1206

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.



63.7253, 51.2319, 32.3618



33.8165, 51.2319, 60.3310



65.5939, 51.2319, 78.3980

Square

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



33.8165, 51.2319, 60.3310



50.2576, 51.2319, 118.6676



67.3988, 51.2319, 51.4692



47.1639, 51.2319, 20.2955

Rectangle

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



33.8165, 51.2319, 60.3310



39.7452, 51.2319, 105.3785



67.3988, 51.2319, 51.4692



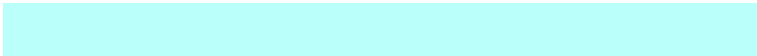
58.8952, 51.2319, 24.8578

Sweetspot

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



33.8180, 51.2338, 60.3322



73.1812, 88.8319, 103.1010



24.5596, 47.5963, 8.6031



15.1999, 18.7773, 21.9191



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.



33.8180, 51.2338, 60.3322



50.5588, 77.4395, 89.8494



20.9432, 22.4122, 65.5116



12.7452, 14.0891, 15.7387



20.5808, 31.4877, 36.6836



1.2549, 1.9046, 2.2839

Inverse Universe

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



27.7552, 14.6684, 3.1206



41.3788, 21.3155, 2.6608



31.6010, 22.6779, 3.4223



12.4651, 12.4375, 13.1233



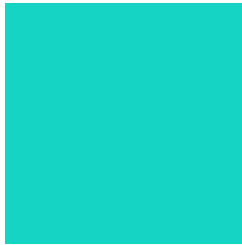
16.8433, 8.6737, 1.2132



1.0309, 0.5291, 0.1521

Previews

White Background



This preview shows how the XYZ color 33.8165, 51.2319, 60.3310 looks on a white background.

Color Contrast Check

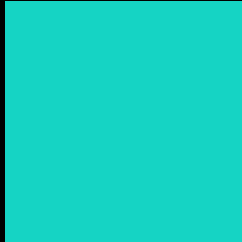
Large Text (above 18pt) WCAG AA × Fail

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 33.8165, 51.2319, 60.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

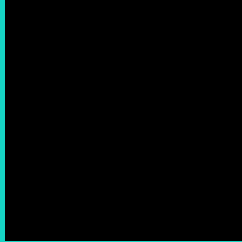
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

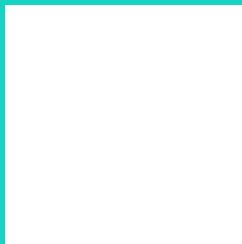
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8165, 51.2319, 60.3310

Background



This preview shows how black text looks on a background with the XYZ color 33.8165, 51.2319, 60.3310.

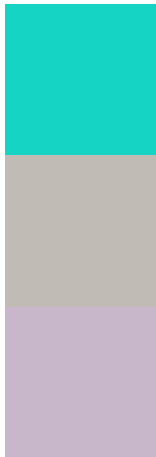


This preview shows how white text looks on a background with the XYZ color 33.8165, 51.2319,

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

33.8165, 51.2319, 60.3310

Protanopia

48.2061, 50.2555, 51.4155

Deuteranopia

51.4136, 50.4106, 62.8975



Tritanopia

37.6678, 51.3323, 79.1570

Trichromacy



Original Color

33.8165, 51.2319, 60.3310



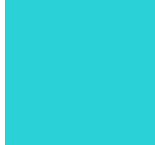
Protanomaly

37.9155, 47.8135, 54.2443



Deuteranomaly

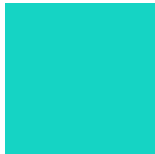
39.7088, 47.9046, 61.7972



Tritanomaly

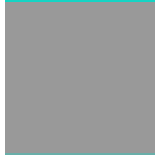
35.8929, 50.9482, 71.5606

Monochromacy



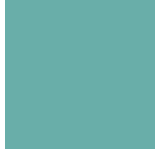
Original Color

33.8165, 51.2319, 60.3310



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.1232, 36.1399, 43.0296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8165, 51.2319, 60.3310 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(21, 212, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 212, 196) }
```

Border

The CSS property to change the border of an element to XYZ 33.8165, 51.2319, 60.3310 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, 196) }
```


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

```
.border{ border-color:rgb(21, 212, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 212, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 212, 196);  
box-shadow:4px 4px 4px 4px rgb(21, 212,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8165, 51.2319, 60.3310 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, 196) }
```

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

```
.background{ background-color: rgb(21, 212,  
196) }
```

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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