

Converting Colors

XYZ(33.6880, 50.2016, 53.8915)

Have a look what the booklet for
XYZ(33.6880, 50.2016, 53.8915)
contains.

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Color

**XYZ(33.6718, 50.1937,
53.8126)**

Conversions

Conversions Part 1

Format	Color
Hex	40D1B9
RGB	64, 209, 185
RGB Percent	25%, 82%, 73%
CMY	0.7490, 0.1804, 0.2745
CMYK	0.69, 0.00, 0.11, 0.18
HSL	170°, 61%, 54%
HSV	170°, 69%, 82%
XYZ	33.6718, 50.1937, 53.8126
YIQ	162.9090, -78.7160, -38.2040

Conversions

Conversions Part 2

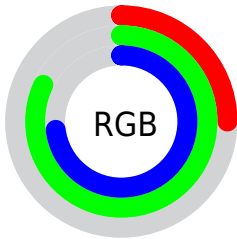
Format	Color
RYB	64, 143, 209
Decimal	4247993
CIELab	76.19, -43.57, 0.82
CIELCh	76, 43.579, 178.924
Yxy	50.1937, 0.2446, 0.3646
Android (android.graphics.Color)	4282438073 (0xFF40D1B9)
YUV	162.9090, 10.8909, -86.7432
Hunter-Lab	70.8475, -39.1472, 4.5592

Details

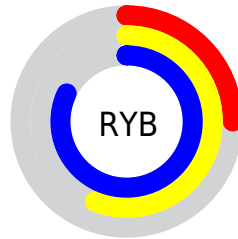
The XYZ color **33.6718, 50.1937, 53.8126** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted spring green. A complement of this color would be **29.8911, 17.9282, 11.1196**, and the grayscale version is **34.7483, 36.5579, 39.8116**.

A 20% lighter version of the original color is **60.8431, 82.6167, 95.9589**, and **15.7205, 24.7771, 25.7837** is the 20% darker color. If you saturate the color by 10%, you get **32.1982, 49.4769, 51.8611**, and if you desaturate by 10%, it is **35.6661, 51.1803, 55.8371**.

Distribution



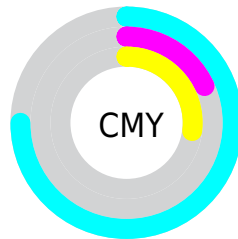
- Red (25%)
- Green (82%)
- Blue (73%)



- Red (25%)
- Yellow (56%)
- Blue (82%)



- Cyan (69%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)



- Cyan (75%)
- Magenta (18%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6718, 50.1937, 53.8126 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 33.6718, 50.1937, 53.8126 by changing the saturation by 10% instead.

■ 33.6718, 50.1937,
53.8126

■ 33.6718, 50.1937,
53.8126

310.2779,
387.4229, 418.5494

■ 22.8033, 35.5673,
38.0597

■ 64.7707, 90.4618,
97.2527

■ 14.5682, 24.1002,
25.7268

■ 85.7317, 116.8723,
125.7769

■ 8.6012, 15.4080,
16.3955

■ 110.7876,
147.9797, 159.3953

■ 4.5370, 9.1062,
9.6470

■ 140.3038,
184.1683, 198.5265

■ 2.0102, 4.8105,
5.0630

■ 174.6455,
225.8225, 243.5890

■ 0.6397, 2.1365,
2.2249

214.1782,

■ 0.0000, 0.6850,

273.3268, 295.0012

0.6887

259.2672,
327.0655, 353.1819

■ 0.0000, 0.0000,
0.0000

■ 33.6718, 50.1937,
53.8126

■ 33.6718, 50.1937,
53.8126

■ 32.1982, 49.4769,
51.8611

■ 35.6661, 51.1803,
55.8371

■ 31.1809, 48.9931,
49.9760

■ 38.2280, 52.4572,
57.9337

■ 30.5185, 48.6913,
48.1532

■ 41.4037, 54.0496,
60.1062

■ 30.4809, 48.6744,
48.0409

■ 45.2336, 55.9781,
62.3565

■ 49.7546, 58.2619,
64.6869

■ 55.0007, 60.9184,
67.0993

■ 61.0037, 63.9640,
69.5953

■ 67.7937, 67.4143,
72.1767

■ 75.3988, 71.2837,
74.8452

Harmonies

Analogous

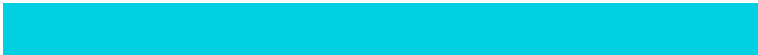
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.4870, 50.1937, 34.5775



33.6718, 50.1937, 53.8126



35.2456, 50.1937, 79.4048

Triad

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



33.6718, 50.1937, 53.8126



55.7090, 50.1937, 104.1962



56.2771, 50.1937, 24.4840

Complementary

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



33.6718, 50.1937, 53.8126



29.8911, 17.9282, 11.1196

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.



62.8072, 50.1937, 35.6662



33.6718, 50.1937, 53.8126



62.4538, 50.1937, 81.2952

Square

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



33.6718, 50.1937, 53.8126



47.4135, 50.1937, 113.0451



65.1851, 50.1937, 55.5009



48.0030, 50.1937, 20.9018

Rectangle

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



33.6718, 50.1937, 53.8126



38.1194, 50.1937, 96.0270



65.1851, 50.1937, 55.5009



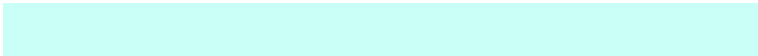
58.7822, 50.1937, 27.2862

Sweetspot

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



33.6732, 50.1956, 53.8138



76.6239, 90.6621, 100.7590



27.7678, 48.0560, 12.6638



15.9653, 19.1854, 21.3468



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.



33.6732, 50.1956, 53.8138



49.6846, 77.2066, 79.9694



26.3114, 31.0689, 64.9339



12.0708, 13.3721, 14.7293



18.8243, 30.0226, 29.7845



1.0754, 1.6878, 1.7860

Inverse Universe

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



29.8911, 17.9282, 11.1196



43.5057, 23.5689, 9.5366



33.0527, 25.5894, 8.0488



11.8874, 11.8397, 12.6831



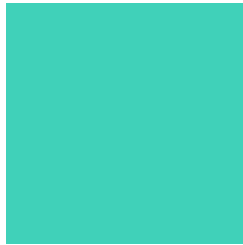
16.4203, 8.4410, 1.8536



0.9435, 0.4821, 0.2373

Previews

White Background



This preview shows how the XYZ color 33.6718, 50.1937, 53.8126 looks on a white background.

Color Contrast Check

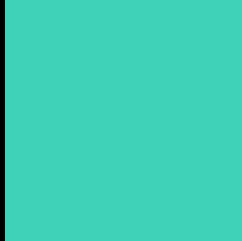
Large Text (above 18pt) WCAG AA × Fail

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 33.6718, 50.1937, 53.8126 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

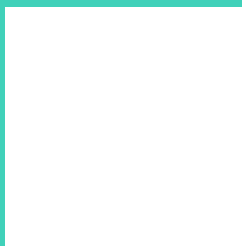
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6718, 50.1937, 53.8126

Background



This preview shows how black text looks on a background with the XYZ color 33.6718, 50.1937, 53.8126.

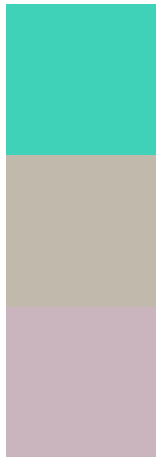


This preview shows how white text looks on a background with the XYZ color 33.6718, 50.1937,

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

33.6718, 50.1937, 53.8126

Protanopia

46.9976, 49.4338, 46.0944

Deuteranopia

50.2850, 49.3659, 56.1685



Tritanopia

37.9908, 50.1469, 75.3871

Trichromacy



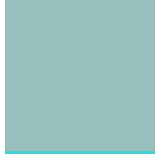
Original Color

33.6718, 50.1937, 53.8126



Protanomaly

39.0817, 47.8689, 48.7748



Deuteranomaly

40.7650, 47.6111, 55.1854



Tritanomaly

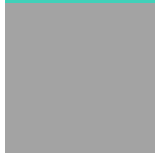
36.2354, 50.1435, 66.8003

Monochromacy



Original Color

33.6718, 50.1937, 53.8126



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.4243, 40.0948, 44.5582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6718, 50.1937, 53.8126 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(64, 209, 185)` looks like.

```
.text, #text, p{  
    color:rgb(64, 209, 185)  
}
```

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(64, 209, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 209, 185) }
```

Border

The CSS property to change the border of an element to XYZ 33.6718, 50.1937, 53.8126 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(64, 209, 185) }
```


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

```
.border{ border-color:rgb(64, 209, 185) }
```

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

Here you see how a box with a 4 pixel rgb(64, 209, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 209, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 209, 185);  
box-shadow:4px 4px 4px 4px rgb(64, 209,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6718, 50.1937, 53.8126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 209, 185) }
```

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

```
.background{ background-color: rgb(64, 209,  
185) }
```

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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