

Converting Colors

XYZ(32.4937, 50.6113, 55.1507)

Have a look what the booklet for
XYZ(32.4937, 50.6113, 55.1507)
contains.

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Color

**XYZ(32.5131, 50.6748,
55.0813)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4BB
RGB	0, 212, 187
RGB Percent	0%, 83%, 73%
CMY	0.9999, 0.1686, 0.2667
CMYK	1.00, 0.00, 0.12, 0.17
HSL	173°, 100%, 42%
HSV	173°, 100%, 83%
XYZ	32.5131, 50.6748, 55.0813
YIQ	145.7620, -118.3270, -52.7190

Conversions

Conversions Part 2

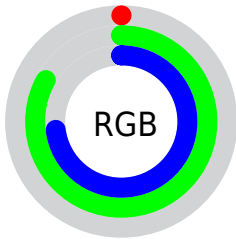
Format	Color
R _Y B	0, 113, 212
Decimal	54459
CIE Lab	76.48, -48.94, 0.09
CIE LCh	76, 48.943, 179.893
Yxy	50.6748, 0.2351, 0.3665
Android (android.graphics.Color)	4278244539 (0xFF00D4BB)
YUV	145.7620, 20.3303, -127.8333
Hunter-Lab	71.1862, -43.0491, 3.9539

Details

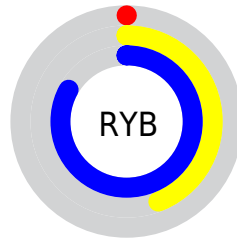
The XYZ color **32.5131, 50.6748, 55.0813** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **27.3286, 14.0687, 2.1970**, and the grayscale version is **27.1834, 28.5990, 31.1444**.

A 20% lighter version of the original color is **57.8815, 81.0552, 97.3886**, and **16.1915, 25.4982, 26.6225** is the 20% darker color. If you saturate the color by 10%, you get **32.5136, 50.6763, 55.0800**, and if you desaturate by 10%, it is **33.0985, 50.9466, 56.5196**.

Distribution



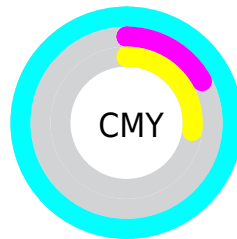
- Red (0%)
- Green (83%)
- Blue (73%)



- Red (0%)
- Yellow (44%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5131, 50.6748, 55.0813 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 32.5131, 50.6748, 55.0813 by changing the saturation by 10% instead.


 32.5131, 50.6748,
55.0813


 32.5131, 50.6748,
55.0813


305.1539,
389.2990, 423.5107


 21.9112, 35.9499,
39.0678


 62.9744, 91.1739,
99.1324


 13.9079, 24.3955,
26.5042


 83.5644, 117.7168,
128.0071


 8.1379, 15.6272,
16.9721


 108.2146,
148.9679, 162.0059

 4.2359, 9.2608,
10.0528

 137.2902,
185.3115, 201.5473

 1.8364, 4.9117,
5.3279

 171.1565,
227.1320, 247.0500

 0.5395, 2.1955,
2.3789

210.1790,

 0.0000, 0.7176,

274.8138, 298.9324

0.7749

254.7230,
328.7414, 357.6131

■ 0.0000, 0.0000,
0.0000

■ 32.5131, 50.6748,
55.0813

■ 32.5131, 50.6748,
55.0813

■ 32.5136, 50.6763,
55.0800

■ 33.0985, 50.9466,
56.5196

■ 34.0319, 51.3960,
57.9975

■ 35.4294, 52.0841,
59.5218

■ 37.3544, 53.0437,
61.0954

■ 39.8602, 54.3021,
62.7210

■ 42.9935, 55.8834,
64.4009

■ 46.7964, 57.8094,
66.1372

■ 51.3072, 60.0998,
67.9318

■ 56.5613, 62.7727,
69.7864

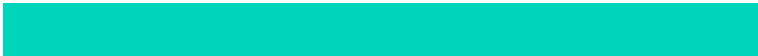
Harmonies

Analogous

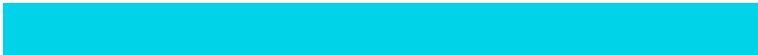
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.3899, 50.6748, 33.4125



32.5131, 50.6748, 55.0813



34.3634, 50.6748, 84.5693

Triad

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



32.5131, 50.6748, 55.0813



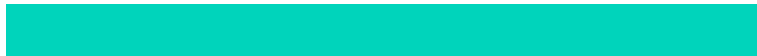
57.5586, 50.6748, 111.9867



57.6233, 50.6748, 21.8607

Complementary

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



32.5131, 50.6748, 55.0813



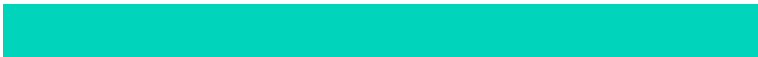
27.3286, 14.0687, 2.1970

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.



65.2407, 50.6748, 33.5304



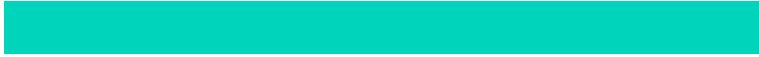
32.5131, 50.6748, 55.0813



65.2001, 50.6748, 84.7883

Square

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



32.5131, 50.6748, 55.0813



48.1317, 50.6748, 123.1757



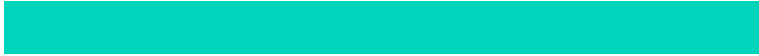
68.1730, 50.6748, 55.2713



48.1981, 50.6748, 18.3676

Rectangle

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



32.5131, 50.6748, 55.0813



37.6160, 50.6748, 103.8737



68.1730, 50.6748, 55.2713



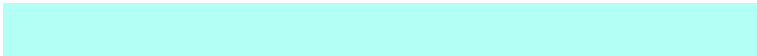
60.5217, 50.6748, 24.7250

Sweetspot

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



32.5146, 50.6767, 55.0825



70.8660, 87.6966, 100.3622



24.0316, 47.3398, 7.8719



14.6173, 18.4915, 21.2391



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.



32.5146, 50.6767, 55.0825



49.3400, 76.9520, 83.4315



20.4487, 21.8822, 65.4354



12.7262, 14.0815, 15.6385



20.0960, 31.2938, 34.1309



1.2303, 1.8948, 2.1547

Inverse Universe

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



27.3286, 14.0687, 2.1970



41.4753, 21.3541, 3.1693



29.8597, 19.4120, 2.1742



12.4822, 12.4444, 13.2137



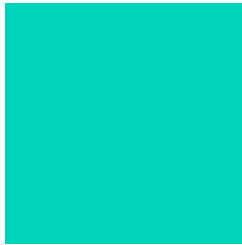
16.8896, 8.6921, 1.4565



1.0390, 0.5324, 0.1948

Previews

White Background



This preview shows how the XYZ color 32.5131, 50.6748, 55.0813 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 32.5131, 50.6748, 55.0813 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

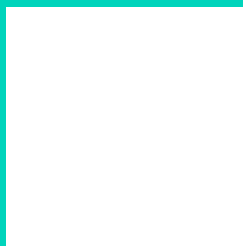
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5131, 50.6748, 55.0813

Background



This preview shows how black text looks on a background with the XYZ color 32.5131, 50.6748, 55.0813.

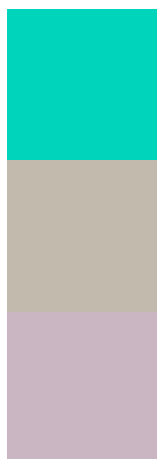


This preview shows how white text looks on a background with the XYZ color 32.5131, 50.6748,

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

32.5131, 50.6748, 55.0813

Protanopia

47.3499, 49.6043, 46.6141

Deuteranopia

50.6186, 49.4993, 57.9254



Tritanopia

37.3983, 50.8482, 78.3646

Trichromacy



Original Color

32.5131, 50.6748, 55.0813



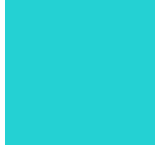
Protanomaly

35.7194, 46.4555, 49.2037



Deuteranomaly

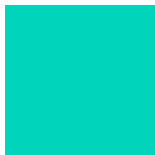
37.3069, 46.1280, 56.2275



Tritanomaly

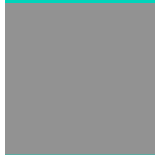
35.2859, 50.6791, 69.5503

Monochromacy



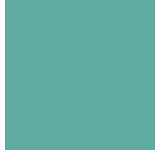
Original Color

32.5131, 50.6748, 55.0813



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.3219, 33.6498, 38.8787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5131, 50.6748, 55.0813 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, 212, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 187)  
}
```

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, 212, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 187) }
```

Border

The CSS property to change the border of an element to XYZ 32.5131, 50.6748, 55.0813 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, 212, 187) }
```


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

```
.border{ border-color:rgb(0, 212, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5131, 50.6748, 55.0813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 187) }
```

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

```
.background{ background-color: rgb(0, 212,  
187) }
```

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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