

Converting Colors

XYZ(32.9913, 51.7521, 54.8680)

Have a look what the booklet for
XYZ(32.9913, 51.7521, 54.8680)
contains.

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Color

**XYZ(32.9095, 51.6383,
54.6871)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6BA
RGB	0, 214, 186
RGB Percent	0%, 84%, 73%
CMY	0.9999, 0.1608, 0.2706
CMYK	1.00, 0.00, 0.13, 0.16
HSL	172°, 100%, 42%
HSV	172°, 100%, 84%
XYZ	32.9095, 51.6383, 54.6871
YIQ	146.8220, -118.5560, -54.0760

Conversions

Conversions Part 2

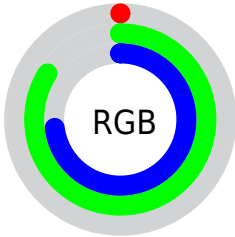
Format	Color
RYB	0, 114, 214
Decimal	54970
CIELab	77.06, -50.04, 1.48
CIElCh	77, 50.060, 178.309
Yxy	51.6383, 0.2364, 0.3709
Android (android.graphics.Color)	4278245050 (0xFF00D6BA)
YUV	146.8220, 19.3148, -128.7629
Hunter-Lab	71.8598, -44.0073, 5.1807

Details

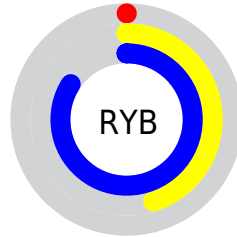
The XYZ color **32.9095, 51.6383, 54.6871** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **27.9430, 14.3815, 2.4042**, and the grayscale version is **27.6227, 29.0613, 31.6477**.

A 20% lighter version of the original color is **57.8504, 81.0566, 96.6009**, and **16.4605, 26.1472, 26.3697** is the 20% darker color. If you saturate the color by 10%, you get **32.9100, 51.6398, 54.6855**, and if you desaturate by 10%, it is **33.5299, 51.9246, 56.2870**.

Distribution



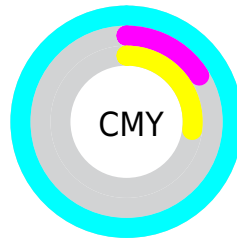
- Red (0%)
- Green (84%)
- Blue (73%)



- Red (0%)
- Yellow (45%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9095, 51.6383, 54.6871 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 32.9095, 51.6383, 54.6871 by changing the saturation by 10% instead.


 32.9095, 51.6383,
54.6871


 32.9095, 51.6383,
54.6871


306.9139,
393.0387, 421.9732

 22.2160, 36.7168,
38.7544


 63.5898, 92.5976,
98.5489


 14.1332, 24.9883,
26.2623


 84.3074, 119.4042,
127.3150

 8.2957, 16.0684,
16.7925


 109.0971,
150.9414, 161.1961

 4.3381, 9.5725,
9.9262

 138.3241,
187.5934, 200.6105

 1.8951, 5.1165,
5.2451

 172.3540,
229.7448, 245.9769

 0.5740, 2.3158,
2.3305

211.5520,

 0.0000, 0.7820,

277.7799, 297.7138

0.7483

256.2836,
332.0830, 356.2397

■ 0.0000, 0.0000,
0.0000

■ 32.9095, 51.6383,
54.6871

■ 32.9095, 51.6383,
54.6871

■ 32.9100, 51.6398,
54.6855

■ 33.5299, 51.9246,
56.2870

■ 34.5074, 52.3931,
57.9330

■ 35.9603, 53.1060,
59.6321

■ 37.9535, 54.0967,
61.3875

■ 40.5414, 55.3934,
63.2019

■ 43.7721, 57.0207,
65.0776

■ 47.6884, 59.0008,
67.0169

■ 52.3297, 61.3538,
69.0217

■ 57.7321, 64.0986,
71.0940

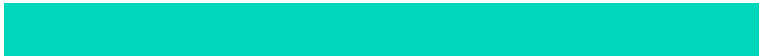
Harmonies

Analogous

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



35.0469, 51.6383, 32.8634



32.9095, 51.6383, 54.6871



34.6156, 51.6383, 85.0562

Triad

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



32.9095, 51.6383, 54.6871



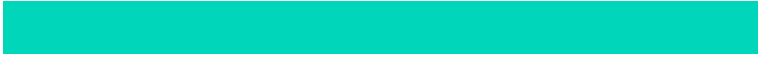
58.3206, 51.6383, 116.4469



59.3803, 51.6383, 22.2825

Complementary

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



32.9095, 51.6383, 54.6871



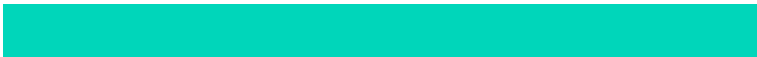
27.9430, 14.3815, 2.4042

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.



67.1005, 51.6383, 34.7793



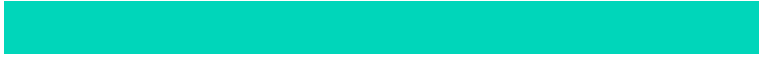
32.9095, 51.6383, 54.6871



66.4349, 51.6383, 88.6492

Square

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



32.9095, 51.6383, 54.6871



48.5406, 51.6383, 126.9361



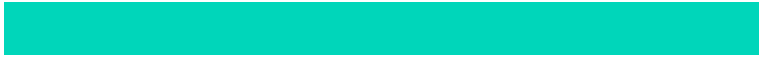
69.8340, 51.6383, 57.7921



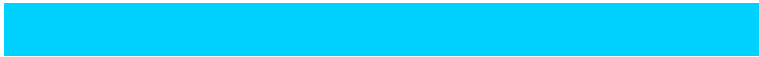
49.6247, 51.6383, 18.3223

Rectangle

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



32.9095, 51.6383, 54.6871



37.8456, 51.6383, 105.3889



69.8340, 51.6383, 57.7921



62.3444, 51.6383, 25.3723

Sweetspot

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



32.9110, 51.6403, 54.6883



70.7147, 87.6361, 99.5654



24.5421, 48.3498, 8.0400



14.5806, 18.4768, 21.0460



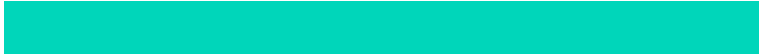
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.9110, 51.6403, 54.6883



48.8950, 76.7740, 81.0882



20.8793, 22.3371, 66.8315



12.7190, 14.0786, 15.6007



19.9188, 31.2229, 33.1980



1.2213, 1.8912, 2.1072

Inverse Universe

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



27.9430, 14.3815, 2.4042



41.5197, 21.3719, 3.4031



30.4922, 19.8156, 2.2188



12.4888, 12.4470, 13.2480



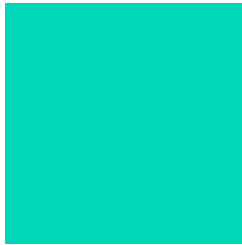
16.9102, 8.7004, 1.5654



1.0421, 0.5336, 0.2110

Previews

White Background



This preview shows how the XYZ color 32.9095, 51.6383, 54.6871 looks on a white background.

Color Contrast Check

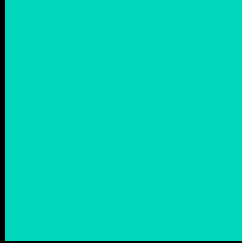
Large Text (above 18pt) WCAG AA × Fail

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 32.9095, 51.6383, 54.6871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

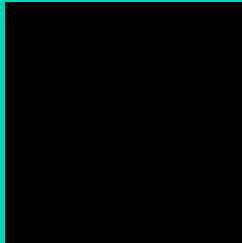
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

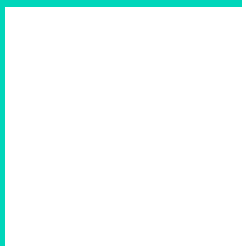
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9095, 51.6383, 54.6871

Background



This preview shows how black text looks on a background with the XYZ color 32.9095, 51.6383, 54.6871.



This preview shows how white text looks on a background with the XYZ color 32.9095, 51.6383,

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

32.9095, 51.6383, 54.6871

Protanopia

48.1946, 50.6808, 46.2720

Deuteranopia

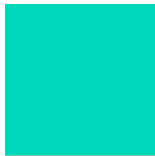
51.7360, 50.6964, 57.5107



Tritanopia

37.8914, 51.4475, 79.1674

Trichromacy



Original Color

32.9095, 51.6383, 54.6871



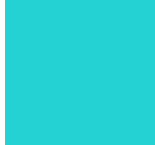
Protanomaly

36.3595, 47.4668, 48.8406



Deuteranomaly

37.7920, 47.0471, 55.8043



Tritanomaly

35.5674, 51.1897, 69.6340

Monochromacy



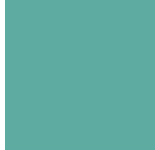
Original Color

32.9095, 51.6383, 54.6871



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.6120, 34.0787, 38.9462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9095, 51.6383, 54.6871 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, 214, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 186)  
}
```

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, 214, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 186) }
```

Border

The CSS property to change the border of an element to XYZ 32.9095, 51.6383, 54.6871 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, 214, 186) }
```


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

```
.border{ border-color:rgb(0, 214, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9095, 51.6383, 54.6871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 186) }
```

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

```
.background{ background-color: rgb(0, 214,  
186) }
```

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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