

Converting Colors

XYZ(30.5109, 49.5870, 53.9970)

Have a look what the booklet for
XYZ(30.5109, 49.5870, 53.9970)
contains.

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Color

**XYZ(32.3004, 50.5897,
53.9613)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4B9
RGB	0, 212, 185
RGB Percent	0%, 83%, 73%
CMY	0.9999, 0.1686, 0.2745
CMYK	1.00, 0.00, 0.13, 0.17
HSL	172°, 100%, 42%
HSV	172°, 100%, 83%
XYZ	32.3004, 50.5897, 53.9613
YIQ	145.5340, -117.6850, -53.3410

Conversions

Conversions Part 2

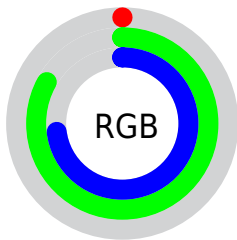
Format	Color
RYB	0, 113, 212
Decimal	54457
CIELab	76.43, -49.48, 1.09
CIELCh	76, 49.496, 178.738
Yxy	50.5897, 0.2360, 0.3697
Android (android.graphics.Color)	4278244537 (0xFF00D4B9)
YUV	145.5340, 19.4567, -127.6333
Hunter-Lab	71.1264, -43.4097, 4.8071

Details

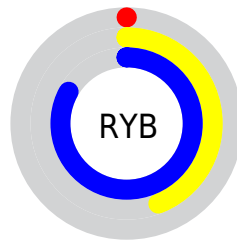
The XYZ color **32.3004, 50.5897, 53.9613** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **27.3509, 14.0776, 2.3149**, and the grayscale version is **27.0935, 28.5045, 31.0413**.

A 20% lighter version of the original color is **57.5810, 80.9350, 95.8063**, and **16.0533, 25.4429, 25.8947** is the 20% darker color. If you saturate the color by 10%, you get **32.3009, 50.5912, 53.9599**, and if you desaturate by 10%, it is **32.9036, 50.8686, 55.4932**.

Distribution



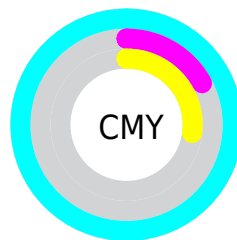
- Red (0%)
- Green (83%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (17%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3004, 50.5897, 53.9613 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 32.3004, 50.5897, 53.9613 by changing the saturation by 10% instead.

 32.3004, 50.5897,
53.9613


 32.3004, 50.5897,
53.9613


304.2064,
388.9676, 419.1329


 21.7477, 35.8822,
38.1778


 62.6437, 91.0480,
97.4733


 13.7872, 24.3432,
25.8178


 83.1651, 117.5676,
126.0387


 8.0535, 15.5884,
16.4628


 107.7401,
148.7932, 159.7020

 4.1813, 9.2334,
9.6944

 136.7340,
185.1095, 198.8814

 1.8052, 4.8937,
5.0938

 170.5123,
226.9006, 243.9957

 0.5208, 2.1850,
2.2427

209.4402,

 0.0000, 0.7118,

274.5511, 295.4634

0.6989

253.8831,
328.4453, 353.7029

■ 0.0000, 0.0000,
0.0000

■ 32.3004, 50.5897,
53.9613

■ 32.3004, 50.5897,
53.9613

■ 32.3009, 50.5912,
53.9599

■ 32.9036, 50.8686,
55.4932

■ 33.8554, 51.3254,
57.0688

■ 35.2723, 52.0213,
58.6947

■ 37.2173, 52.9888,
60.3740

■ 39.7439, 54.2556,
62.1094

■ 42.8989, 55.8456,
63.9033

■ 46.7242, 57.7805,
65.7577

■ 51.2582, 60.0801,
67.6746

■ 56.5363, 62.7627,
69.6558

Harmonies

Analogous

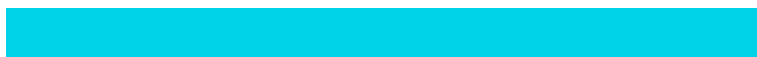
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.3341, 50.5897, 32.5111



32.3004, 50.5897, 53.9613



34.0199, 50.5897, 83.6299

Triad

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



32.3004, 50.5897, 53.9613



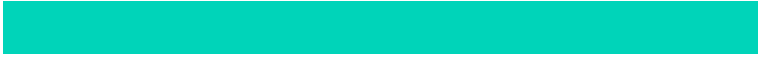
57.2257, 50.5897, 113.4546



57.9966, 50.5897, 21.8278

Complementary

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



32.3004, 50.5897, 53.9613



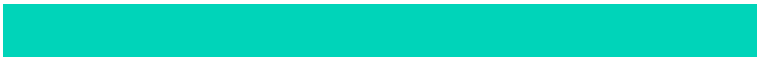
27.3509, 14.0776, 2.3149

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.



65.5716, 50.5897, 33.9077



32.3004, 50.5897, 53.9613



65.0876, 50.5897, 86.2420

Square

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



32.3004, 50.5897, 53.9613



47.6905, 50.5897, 123.9783



68.3183, 50.5897, 56.2213



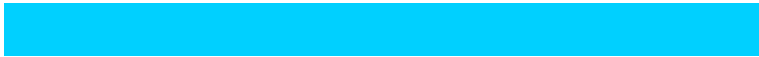
48.4796, 50.5897, 18.0552

Rectangle

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



32.3004, 50.5897, 53.9613



37.2069, 50.5897, 103.3734



68.3183, 50.5897, 56.2213



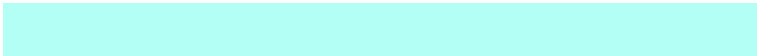
60.8978, 50.5897, 24.8089

Sweetspot

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



32.3018, 50.5916, 53.9625



70.7554, 87.6524, 99.7799



24.0316, 47.3397, 7.8719



14.5905, 18.4807, 21.0980



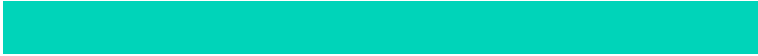
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.3018, 50.5916, 53.9625



49.0142, 76.8217, 81.7156



20.4486, 21.8821, 65.4354



12.7209, 14.0794, 15.6108



19.9663, 31.2419, 33.4478



1.2237, 1.8921, 2.1199

Inverse Universe

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



27.3509, 14.0776, 2.3149



41.5073, 21.3669, 3.3377



29.8597, 19.4119, 2.1741



12.4870, 12.4463, 13.2388



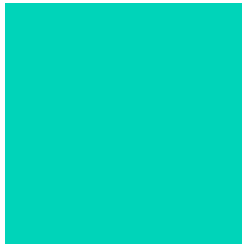
16.9045, 8.6981, 1.5351



1.0413, 0.5333, 0.2066

Previews

White Background



This preview shows how the XYZ color 32.3004, 50.5897, 53.9613 looks on a white background.

Color Contrast Check

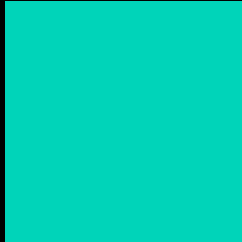
Large Text (above 18pt) WCAG AA × Fail

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 32.3004, 50.5897, 53.9613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

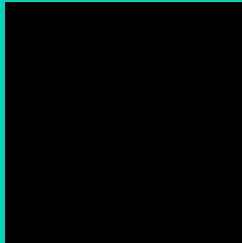
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

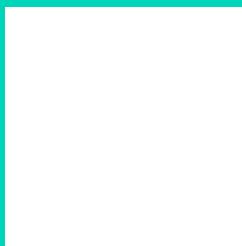
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3004, 50.5897, 53.9613

Background



This preview shows how black text looks on a background with the XYZ color 32.3004, 50.5897, 53.9613.

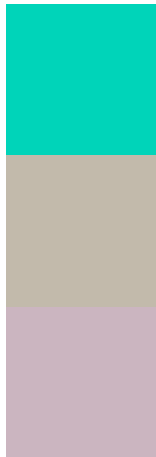


This preview shows how white text looks on a background with the XYZ color 32.3004, 50.5897,

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

32.3004, 50.5897, 53.9613

Protanopia

47.1577, 49.5274, 45.6023

Deuteranopia

50.6669, 49.5500, 56.7628



Tritanopia

37.3194, 50.8232, 77.6550

Trichromacy



Original Color

32.3004, 50.5897, 53.9613



Protanomaly

35.5200, 46.3758, 48.1536



Deuteranomaly

37.0882, 46.0405, 55.0761



Tritanomaly

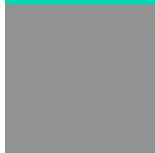
35.0366, 50.5794, 68.2378

Monochromacy



Original Color

32.3004, 50.5897, 53.9613



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.2341, 33.6147, 38.4160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3004, 50.5897, 53.9613 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 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(0, 212, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 185) }
```

Border

The CSS property to change the border of an element to XYZ 32.3004, 50.5897, 53.9613 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, 185) }
```


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

```
.border{ border-color:rgb(0, 212, 185) }
```

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, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3004, 50.5897, 53.9613 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, 185) }
```

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

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