

Converting Colors

XYZ(32.3296, 53.3867, 45.5281)

Have a look what the booklet for
XYZ(32.3296, 53.3867, 45.5281)
contains.

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Color

**XYZ(32.3994, 53.4902,
45.6628)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBA8
RGB	0, 219, 168
RGB Percent	0%, 86%, 66%
CMY	0.9999, 0.1412, 0.3412
CMYK	1.00, 0.00, 0.23, 0.14
HSL	166°, 100%, 43%
HSV	166°, 100%, 86%
XYZ	32.3994, 53.4902, 45.6628
YIQ	147.7050, -114.1530, -62.2890

Conversions

Conversions Part 2

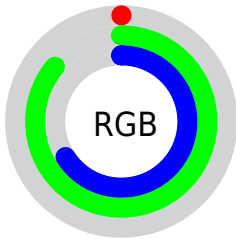
Format	Color
RYB	0, 124, 219
Decimal	56232
CIELab	78.16, -56.60, 12.65
CIELCh	78, 57.997, 167.404
Yxy	53.4902, 0.2463, 0.4066
Android (android.graphics.Color)	4278246312 (0xFF00DBA8)
YUV	147.7050, 10.0054, -129.5373
Hunter-Lab	73.1370, -48.9149, 14.1784

Details

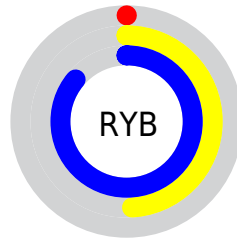
The XYZ color **32.3994, 53.4902, 45.6628** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.8130, 15.3005, 4.5175**, and the grayscale version is **28.0235, 29.4829, 32.1068**.

A 20% lighter version of the original color is **55.1427, 79.9735, 82.3421**, and **16.2496, 27.4553, 20.9660** is the 20% darker color. If you saturate the color by 10%, you get **32.3999, 53.4918, 45.6607**, and if you desaturate by 10%, it is **33.2145, 53.8558, 48.2319**.

Distribution



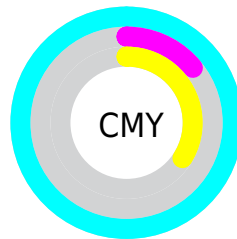
- Red (0%)
- Green (86%)
- Blue (66%)



- Red (0%)
- Yellow (49%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3994, 53.4902, 45.6628 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 32.3994, 53.4902, 45.6628 by changing the saturation by 10% instead.

 32.3994, 53.4902,
45.6628


 32.3994, 53.4902,
45.6628


304.6477,
400.1630, 385.6894


 21.8238, 38.1942,
31.6331


 62.7977, 95.3253,
85.0431


 13.8433, 26.1335,
20.8189

 83.3510, 122.6332,
111.2307


 8.0928, 16.9235,
12.8017


 107.9610,
154.7139, 142.3081

 4.2067, 10.1800,
7.1630

 136.9930,
191.9518, 178.6937

 1.8197, 5.5185,
3.4843

 170.8123,
234.7313, 220.8061

 0.5295, 2.5545,
1.3469

209.7843,

 0.0000, 0.9039,

283.4367, 269.0638

0.0998

254.2743,
338.4525, 323.8854

■ 0.0000, 0.0000,
0.0000

■ 32.3994, 53.4902,
45.6628

■ 32.3994, 53.4902,
45.6628

■ 32.3999, 53.4918,
45.6607

■ 33.2145, 53.8558,
48.2319

■ 34.4202, 54.4191,
50.9165

■ 36.1400, 55.2454,
53.7247

■ 38.4429, 56.3699,
56.6607

■ 41.3869, 57.8227,
59.7282

■ 45.0227, 59.6300,
62.9307

■ 49.3961, 61.8151,
66.2712

■ 54.5487, 64.3997,
69.7528

■ 60.5191, 67.4035,
73.3782

Harmonies

Analogous

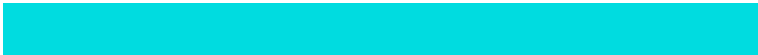
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.4256, 53.4902, 25.3872



32.3994, 53.4902, 45.6628



32.7511, 53.4902, 78.9767

Triad

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



32.3994, 53.4902, 45.6628



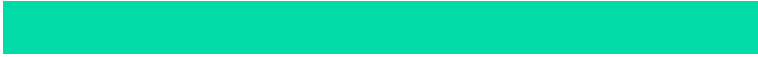
57.6421, 53.4902, 140.4106



67.0644, 53.4902, 23.3178

Complementary

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



32.3994, 53.4902, 45.6628



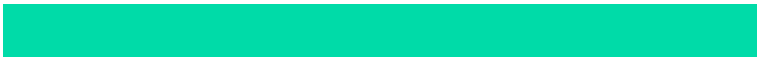
29.8130, 15.3005, 4.5175

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.



74.6018, 53.4902, 41.4963



32.3994, 53.4902, 45.6628



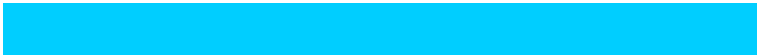
68.6313, 53.4902, 111.5247

Square

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



32.3994, 53.4902, 45.6628



46.2345, 53.4902, 142.8612



75.2145, 53.4902, 72.9415



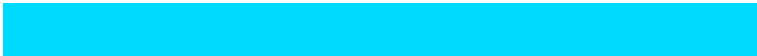
55.7433, 53.4902, 16.0959

Rectangle

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



32.3994, 53.4902, 45.6628



35.4189, 53.4902, 104.9777



75.2145, 53.4902, 72.9415



70.1931, 53.4902, 27.9598

Sweetspot

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



32.4009, 53.4923, 45.6641



69.5478, 87.1693, 93.4203



26.7041, 51.3719, 8.5092



14.2988, 18.3641, 19.5619



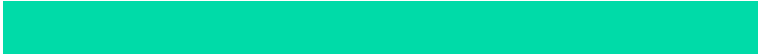
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.4009, 53.4923, 45.6641



45.6792, 75.4877, 64.1537



25.4639, 30.4686, 71.5592



13.3084, 14.7750, 16.0869



19.2549, 31.7346, 27.3056



1.2796, 2.0688, 1.9383

Inverse Universe

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



29.8130, 15.3005, 4.5175



42.0396, 21.5799, 6.1408



30.7491, 18.1296, 1.8795



13.1797, 13.1010, 14.2075



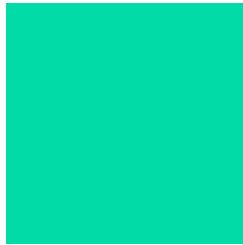
17.7118, 9.0858, 2.8624



1.1808, 0.6020, 0.3613

Previews

White Background



This preview shows how the XYZ color 32.3994, 53.4902, 45.6628 looks on a white background.

Color Contrast Check

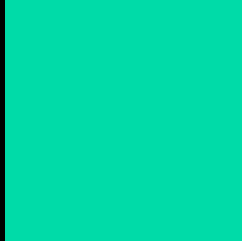
Large Text (above 18pt) WCAG AA × Fail

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 32.3994, 53.4902, 45.6628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

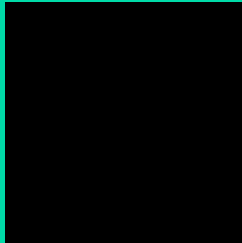
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

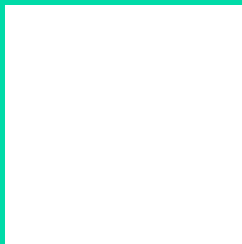
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3994, 53.4902, 45.6628

Background



This preview shows how black text looks on a background with the XYZ color 32.3994, 53.4902, 45.6628.

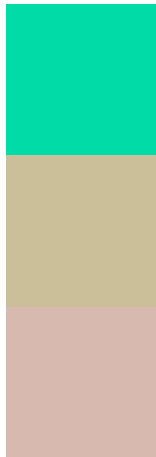


This preview shows how white text looks on a background with the XYZ color 32.3994, 53.4902,

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

32.3994, 53.4902, 45.6628

Protanopia

49.0921, 52.2912, 38.0776

Deuteranopia

53.5043, 52.4314, 48.3746



Tritanopia

39.7521, 53.4552, 81.6215

Trichromacy



Original Color

32.3994, 53.4902, 45.6628



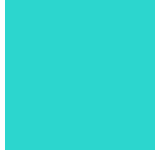
Protanomaly

36.1979, 48.9436, 40.3401



Deuteranomaly

37.8256, 48.2680, 46.8582



Tritanomaly

36.2259, 53.0848, 66.7296

Monochromacy



Original Color

32.3994, 53.4902, 45.6628



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.6685, 35.0183, 36.4167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3994, 53.4902, 45.6628 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, 219, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 168)  
}
```

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, 219, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 168) }
```

Border

The CSS property to change the border of an element to XYZ 32.3994, 53.4902, 45.6628 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, 219, 168) }
```


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

```
.border{ border-color:rgb(0, 219, 168) }
```

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

Here you see how a box with a 4 pixel rgb(0, 219, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3994, 53.4902, 45.6628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 168) }
```

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

```
.background{ background-color: rgb(0, 219,  
168) }
```

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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