

Converting Colors

XYZ(32.4572, 52.2359, 45.7759)

Have a look what the booklet for
XYZ(32.4572, 52.2359, 45.7759)
contains.

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Color

**XYZ(32.5540, 52.4076,
45.9360)**

Conversions

Conversions Part 1

Format	Color
Hex	27D8A9
RGB	39, 216, 169
RGB Percent	15%, 85%, 66%
CMY	0.8470, 0.1529, 0.3372
CMYK	0.82, 0.00, 0.22, 0.15
HSL	164°, 69%, 50%
HSV	164°, 82%, 85%
XYZ	32.5540, 52.4076, 45.9360
YIQ	157.7190, -90.4050, -52.1410

Conversions

Conversions Part 2

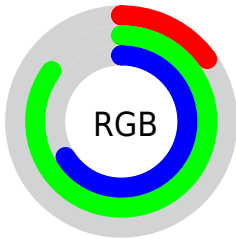
Format	Color
RYB	39, 141, 216
Decimal	2611369
CIELab	77.52, -53.29, 11.25
CIELCh	78, 54.463, 168.082
Yxy	52.4076, 0.2487, 0.4004
Android (android.graphics.Color)	4280801449 (0xFF27D8A9)
YUV	157.7190, 5.5615, -104.1166
Hunter-Lab	72.3931, -46.4194, 13.0535

Details

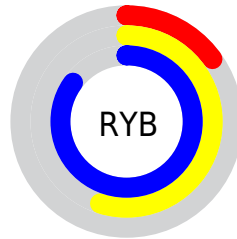
The XYZ color **32.5540, 52.4076, 45.9360** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **30.7260, 16.7233, 10.4152**, and the grayscale version is **32.3791, 34.0654, 37.0972**.

A 20% lighter version of the original color is **56.4170, 80.6148, 83.1077**, and **15.7817, 26.4260, 21.0986** is the 20% darker color. If you saturate the color by 10%, you get **31.4300, 51.8903, 43.1346**, and if you desaturate by 10%, it is **34.1695, 53.1781, 48.8861**.

Distribution



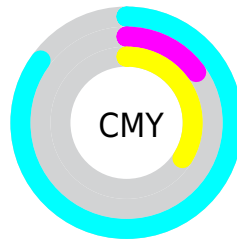
- Red (15%)
- Green (85%)
- Blue (66%)



- Red (15%)
- Yellow (55%)
- Blue (85%)



- Cyan (82%)
- Magenta (0%)
- Yellow (22%)
- Black (15%)





- Cyan (85%)
- Magenta (15%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5540, 52.4076, 45.9360 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 32.5540, 52.4076, 45.9360 by changing the saturation by 10% instead.


 32.5540, 52.4076,
45.9360


 32.5540, 52.4076,
45.9360


305.3359,
396.0082, 386.8214


 21.9426, 37.3301,
31.8470


 63.0379, 93.7321,
85.4565


 13.9311, 25.4632,
20.9808


 83.6412, 120.7478,
111.7251


 8.1541, 16.4225,
12.9189


 108.3057,
152.5118, 142.8906

 4.2464, 9.8236,
7.2426

 137.3970,
189.4083, 179.3716

 1.8424, 5.2821,
3.5336

 171.2803,
231.8218, 221.5867

 0.5430, 2.4137,
1.3731

210.3209,

 0.0000, 0.8329,

280.1367, 269.9543

0.1206

254.8844,
334.7373, 324.8930

■ 0.0000, 0.0000,
0.0000

■ 32.5540, 52.4076,
45.9360

■ 32.5540, 52.4076,
45.9360

■ 31.4300, 51.8903,
43.1346

■ 34.1695, 53.1781,
48.8861


■ 30.7837, 51.6043,
40.9765


■ 36.3414, 54.2314,
51.9860

■ 39.1291, 55.5994,
55.2410

■ 42.5829, 57.3079,
58.6551

■ 46.7480, 59.3802,
62.2318

 51.6654, 61.8375,
65.9745

 57.3730, 64.6992,
69.8863

 63.9060, 67.9835,
73.9703

 71.2977, 71.7074,
78.2293

Harmonies

Analogous

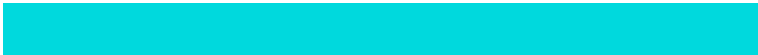
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.2486, 52.4076, 26.4957



32.5540, 52.4076, 45.9360



32.9790, 52.4076, 76.9565

Triad

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



32.5540, 52.4076, 45.9360



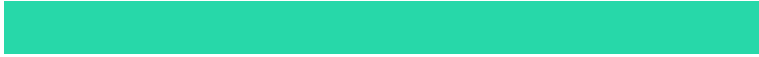
56.3447, 52.4076, 131.5648



64.5536, 52.4076, 23.9458

Complementary

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



32.5540, 52.4076, 45.9360



30.7260, 16.7233, 10.4152

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.



71.5744, 52.4076, 40.9322



32.5540, 52.4076, 45.9360



66.3957, 52.4076, 105.0626

Square

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



32.5540, 52.4076, 45.9360



45.7578, 52.4076, 134.3935



72.2924, 52.4076, 69.8556



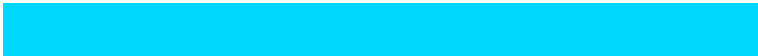
54.0985, 52.4076, 17.1257

Rectangle

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



32.5540, 52.4076, 45.9360



35.5504, 52.4076, 100.6718



72.2924, 52.4076, 69.8556



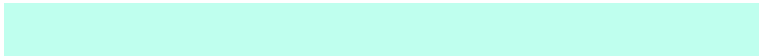
67.4533, 52.4076, 28.3134

Sweetspot

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



32.5554, 52.4096, 45.9372



72.7518, 88.8060, 94.2503



28.7801, 51.2484, 10.2954



15.0290, 18.7369, 19.7599



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.



32.5554, 52.4096, 45.9372



44.9698, 75.2113, 60.0851



28.5048, 35.9349, 70.4018



12.6448, 14.0489, 15.2102



18.2670, 30.5621, 24.4994



1.1352, 1.8567, 1.6535

Inverse Universe

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



30.7260, 16.7233, 10.4152



42.4476, 21.8316, 8.0161



31.5776, 20.5287, 4.2185



12.5573, 12.4744, 13.6091



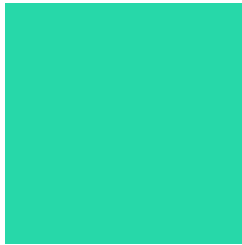
17.2427, 8.8334, 3.3164



1.0744, 0.5466, 0.3812

Previews

White Background



This preview shows how the XYZ color 32.5540, 52.4076, 45.9360 looks on a white background.

Color Contrast Check

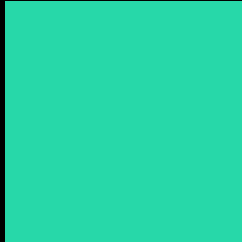
Large Text (above 18pt) WCAG AA × Fail

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 32.5540, 52.4076, 45.9360 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

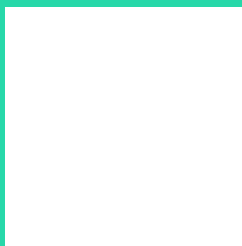
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5540, 52.4076, 45.9360

Background



This preview shows how black text looks on a background with the XYZ color 32.5540, 52.4076, 45.9360.

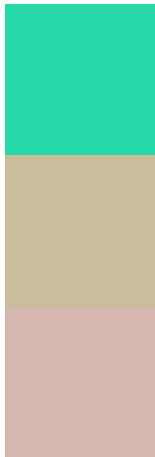


This preview shows how white text looks on a background with the XYZ color 32.5540, 52.4076,

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

32.5540, 52.4076, 45.9360

Protanopia

48.2857, 51.2130, 38.7927

Deuteranopia

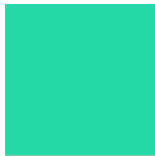
52.2105, 51.1477, 48.1950



Tritanopia

39.0481, 52.0438, 79.2216

Trichromacy



Original Color

32.5540, 52.4076, 45.9360



Protanomaly

38.0118, 49.1708, 41.2057



Deuteranomaly

39.6356, 48.5314, 46.8136



Tritanomaly

36.3003, 52.0204, 65.8853

Monochromacy



Original Color

32.5540, 52.4076, 45.9360



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.7119, 38.4937, 40.0465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5540, 52.4076, 45.9360 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(39, 216, 169)` looks like.

```
.text, #text, p{  
    color:rgb(39, 216, 169)  
}
```

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(39, 216, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 216, 169) }
```

Border

The CSS property to change the border of an element to XYZ 32.5540, 52.4076, 45.9360 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(39, 216, 169) }
```


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

```
.border{ border-color:rgb(39, 216, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 216, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 216, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 216, 169);  
box-shadow:4px 4px 4px 4px rgb(39, 216,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5540, 52.4076, 45.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 216, 169) }
```

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

```
.background{ background-color: rgb(39, 216,  
169) }
```

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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