

Converting Colors

XYZ(24.3905, 41.8559, 52.5824)

Have a look what the booklet for
XYZ(24.3905, 41.8559, 52.5824)
contains.

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Color

**XYZ(29.1804, 44.3496,
52.9213)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7B9
RGB	0, 199, 185
RGB Percent	0%, 78%, 73%
CMY	0.9998, 0.2196, 0.2745
CMYK	1.00, 0.00, 0.07, 0.22
HSL	176°, 100%, 39%
HSV	176°, 100%, 78%
XYZ	29.1804, 44.3496, 52.9213
YIQ	137.9030, -114.1100, -46.5420

Conversions

Conversions Part 2

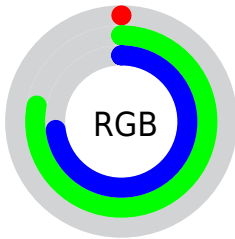
Format	Color
RYB	0, 103, 199
Decimal	51129
CIELab	72.46, -44.00, -4.73
CIELCh	72, 44.250, 186.135
Yxy	44.3496, 0.2308, 0.3507
Android (android.graphics.Color)	4278241209 (0xFF00C7B9)
YUV	137.9030, 23.2188, -120.9409
Hunter-Lab	66.5955, -38.3281, -0.4990

Details

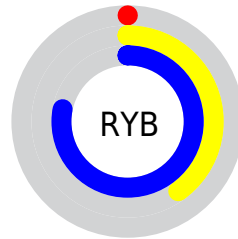
The XYZ color **29.1804, 44.3496, 52.9213** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **23.6339, 12.1752, 1.5214**, and the grayscale version is **24.0711, 25.3247, 27.5786**.

A 20% lighter version of the original color is **57.2307, 80.7544, 95.7899**, and **14.1381, 21.6125, 25.2563** is the 20% darker color. If you saturate the color by 10%, you get **29.1809, 44.3509, 52.9207**, and if you desaturate by 10%, it is **29.6171, 44.5586, 53.7184**.

Distribution



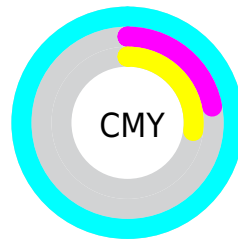
- Red (0%)
- Green (78%)
- Blue (73%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)



- Cyan (100%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1804, 44.3496, 52.9213 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 29.1804, 44.3496, 52.9213 by changing the saturation by 10% instead.

■ 29.1804, 44.3496,
52.9213

■ 29.1804, 44.3496,
52.9213

290.0441,
364.1330, 415.0408

■ 19.3623, 30.9454,
37.3527

■ 57.7592, 81.7435,
95.9289

■ 12.0379, 20.5573,
25.1827

■ 77.2505, 106.5021,
124.2050

■ 6.8419, 12.8008,
15.9930

■ 100.6970,
135.8143, 157.5539

■ 3.4089, 7.2915,
9.3649

■ 128.4640,
170.0645, 196.3943

■ 1.3735, 3.6451,
4.8799

■ 160.9169,
209.6370, 241.1446

■ 0.2372, 1.4771,
2.1195

198.4209,

■ 0.0000, 0.2725,

254.9164, 292.2235

0.6273

241.3415,
306.2869, 350.0494

■ 0.0000, 0.0000,
0.0000

■ 29.1804, 44.3496,
52.9213

■ 29.1804, 44.3496,
52.9213

■ 29.1809, 44.3509,
52.9207

■ 29.6171, 44.5586,
53.7184

■ 30.3488, 44.9184,
54.5359

■ 31.4793, 45.4837,
55.3797

■ 33.0625, 46.2822,
56.2523

■ 35.1439, 47.3374,
57.1560

■ 37.7635, 48.6698,
58.0926

■ 40.9571, 50.2980,
59.0637

■ 44.7576, 52.2388,
60.0710

■ 49.1952, 54.5080,
61.1159

Harmonies

Analogous

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



30.1062, 44.3496, 33.2024



29.1804, 44.3496, 52.9213



31.3767, 44.3496, 77.5552

Triad

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



29.1804, 44.3496, 52.9213



51.4126, 44.3496, 90.8085



48.3737, 44.3496, 19.1491

Complementary

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



29.1804, 44.3496, 52.9213



23.6339, 12.1752, 1.5214

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.



55.1510, 44.3496, 27.5034



29.1804, 44.3496, 52.9213



57.0483, 44.3496, 67.3680

Square

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



29.1804, 44.3496, 52.9213



43.7408, 44.3496, 103.2915



58.4928, 44.3496, 43.9356



40.6041, 44.3496, 17.3958

Rectangle

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



29.1804, 44.3496, 52.9213



34.4926, 44.3496, 92.2707



58.4928, 44.3496, 43.9356



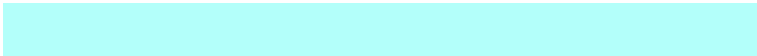
50.8710, 44.3496, 21.1223

Sweetspot

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



29.1817, 44.3513, 52.9224



71.4303, 87.9223, 103.3335



20.6488, 40.9640, 6.8197



14.7543, 18.5463, 21.9606



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.



29.1817, 44.3513, 52.9224



51.0541, 77.6376, 92.4577



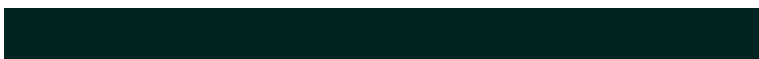
16.5668, 16.6382, 56.3729



10.9133, 12.0542, 13.4934



18.7769, 28.5231, 34.0995



0.8990, 1.3545, 1.6667

Inverse Universe

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



23.6339, 12.1752, 1.5214



41.3487, 21.3035, 2.5026



26.6430, 18.3202, 2.1331



10.6636, 10.6488, 11.2120



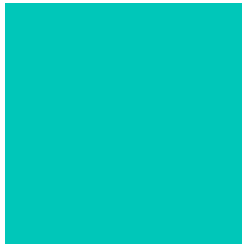
15.2085, 7.8330, 1.0419



0.7309, 0.3752, 0.1060

Previews

White Background



This preview shows how the XYZ color 29.1804, 44.3496, 52.9213 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 29.1804, 44.3496, 52.9213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

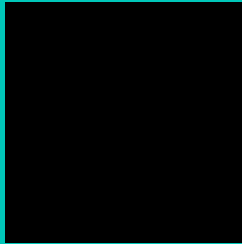
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

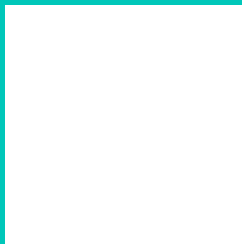
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1804, 44.3496, 52.9213

Background



This preview shows how black text looks on a background with the XYZ color 29.1804, 44.3496, 52.9213.

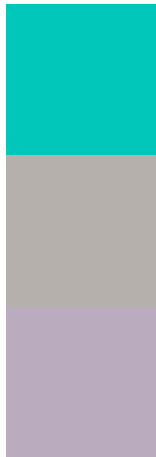


This preview shows how white text looks on a background with the XYZ color 29.1804, 44.3496,

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

29.1804, 44.3496, 52.9213

Protanopia

41.9321, 43.8147, 44.7751

Deuteranopia

44.4604, 43.4522, 55.3340



Tritanopia

32.4453, 44.3377, 68.4760

Trichromacy



Original Color

29.1804, 44.3496, 52.9213



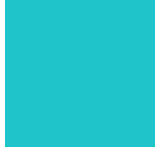
Protanomaly

32.0472, 41.0604, 47.3107



Deuteranomaly

33.3169, 40.6438, 54.2332



Tritanomaly

30.9360, 44.0201, 62.7434

Monochromacy



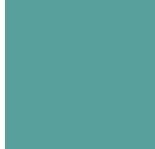
Original Color

29.1804, 44.3496, 52.9213



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.5117, 29.5829, 35.5339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1804, 44.3496, 52.9213 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, 199, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 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, 199, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 185) }
```

Border

The CSS property to change the border of an element to XYZ 29.1804, 44.3496, 52.9213 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, 199, 185) }
```


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

```
.border{ border-color:rgb(0, 199, 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, 199, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1804, 44.3496, 52.9213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 185) }
```

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

```
.background{ background-color: rgb(0, 199,  
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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