

Converting Colors

XYZ(27.5544, 45.5703, 38.5905)

Have a look what the booklet for
XYZ(27.5544, 45.5703, 38.5905)
contains.

XYZ(27.5936, 45.5860, 38.7971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.5936, 45.5860,
38.7971)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC9C
RGB	0, 204, 156
RGB Percent	0%, 80%, 61%
CMY	0.9999, 0.2000, 0.3882
CMYK	1.00, 0.00, 0.24, 0.20
HSL	166°, 100%, 40%
HSV	166°, 100%, 80%
XYZ	27.5936, 45.5860, 38.7971
YIQ	137.5320, -106.1760, -58.1760

Conversions

Conversions Part 2

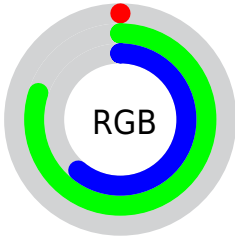
Format	Color
RYB	0, 116, 204
Decimal	52380
CIELab	73.28, -53.74, 12.14
CIElCh	73, 55.089, 167.274
Yxy	45.5860, 0.2464, 0.4071
Android (android.graphics.Color)	4278242460 (0xFF00CC9C)
YUV	137.5320, 9.1047, -120.6156
Hunter-Lab	67.5174, -45.2045, 13.1927

Details

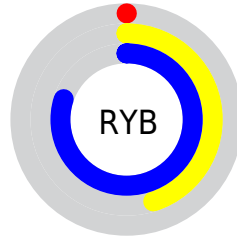
The XYZ color **27.5936, 45.5860, 38.7971** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.4371, 13.0520, 3.9779**, and the grayscale version is **23.9782, 25.2270, 27.4722**.

A 20% lighter version of the original color is **52.9974, 79.0479, 74.0925**, and **13.2972, 22.5148, 17.0096** is the 20% darker color. If you saturate the color by 10%, you get **27.5940, 45.5874, 38.7954**, and if you desaturate by 10%, it is **28.3065, 45.9067, 40.9959**.

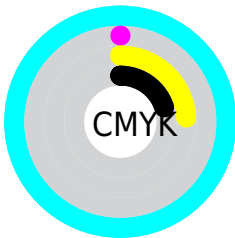
Distribution



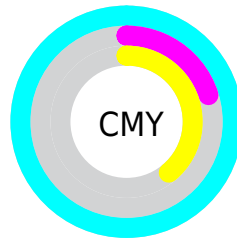
- Red (0%)
- Green (80%)
- Blue (61%)



- Red (0%)
- Yellow (45%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5936, 45.5860, 38.7971 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 27.5936, 45.5860, 38.7971 by changing the saturation by 10% instead.

■ 27.5936, 45.5860,
38.7971

■ 27.5936, 45.5860,
38.7971

282.6353,
369.1417, 356.4273

■ 18.1584, 31.9192,
26.2953

■ 55.2481, 83.5991,
74.5452

■ 11.1642, 21.2998,
16.8169

■ 74.1982, 108.7142,
98.6285

■ 6.2455, 13.3433,
9.9435

■ 97.0506, 138.4142,
127.4095

■ 3.0370, 7.6654,
5.2564

■ 124.1707,
173.0835, 161.3066

■ 1.1734, 3.8816,
2.3371

■ 155.9239,
213.1065, 200.7384

■ 0.0852, 1.6076,
0.7519

192.6755,

■ 0.0000, 0.3627,

258.8676, 246.1234

0.0000

234.7908,
310.7512, 297.8802

■ 0.0000, 0.0000,
0.0000

■ 27.5936, 45.5860,
38.7971

■ 27.5936, 45.5860,
38.7971

■ 27.5940, 45.5874,
38.7954

■ 28.3065, 45.9067,
40.9959

■ 29.3478, 46.3937,
43.2940

■ 30.8261, 47.1042,
45.6982

■ 32.7990, 48.0676,
48.2122

■ 35.3150, 49.3092,
50.8393

■ 38.4169, 50.8507,
53.5822

■ 42.1429, 52.7121,
56.4436

■ 46.5282, 54.9113,
59.4260

■ 51.6050, 57.4650,
62.5319

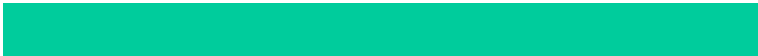
Harmonies

Analogous

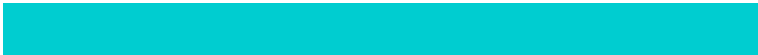
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.0455, 45.5860, 21.5464



27.5936, 45.5860, 38.7971



27.8775, 45.5860, 67.2020

Triad

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



27.5936, 45.5860, 38.7971



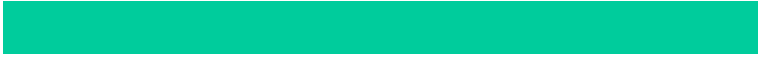
49.0920, 45.5860, 119.8969



57.2197, 45.5860, 19.8768

Complementary

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



27.5936, 45.5860, 38.7971



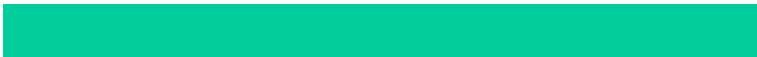
25.4371, 13.0520, 3.9779

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.



63.6368, 45.5860, 35.4325



27.5936, 45.5860, 38.7971



58.4860, 45.5860, 95.2850

Square

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



27.5936, 45.5860, 38.7971



39.3569, 45.5860, 121.8786



64.1320, 45.5860, 62.3248



47.5578, 45.5860, 13.6876

Rectangle

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



27.5936, 45.5860, 38.7971



30.1434, 45.5860, 89.4125



64.1320, 45.5860, 62.3248



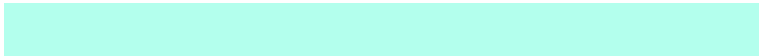
59.8865, 45.5860, 23.8500

Sweetspot

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



27.5948, 45.5878, 38.7982



69.5207, 87.1585, 93.2779



22.9600, 43.8916, 7.2626



14.2923, 18.3615, 19.5276



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.



27.5948, 45.5878, 38.7982



45.6094, 75.4597, 63.7860



22.2925, 27.1453, 61.1934



11.4260, 12.6801, 13.8005



17.4049, 28.7073, 24.6152



0.9260, 1.4922, 1.4178

Inverse Universe

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



25.4371, 13.0520, 3.9779



42.0558, 21.5863, 6.2261



26.0876, 15.2073, 1.5611



11.3187, 11.2562, 12.2130



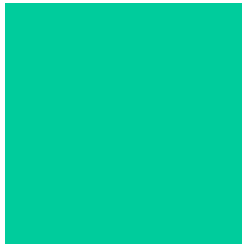
16.0398, 8.2265, 2.6624



0.8579, 0.4366, 0.2975

Previews

White Background



This preview shows how the XYZ color 27.5936, 45.5860, 38.7971 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 27.5936, 45.5860, 38.7971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

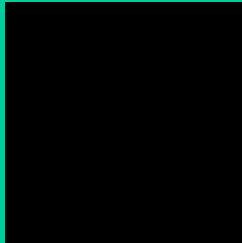
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

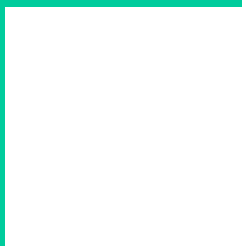
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5936, 45.5860, 38.7971

Background



This preview shows how black text looks on a background with the XYZ color 27.5936, 45.5860, 38.7971.

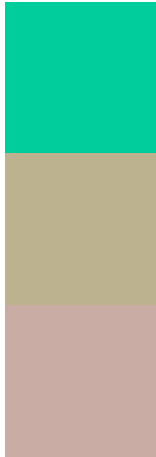


This preview shows how white text looks on a background with the XYZ color 27.5936, 45.5860,

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

27.5936, 45.5860, 38.7971

Protanopia

41.8646, 44.6428, 32.3970

Deuteranopia

45.4508, 44.5669, 40.8571



Tritanopia

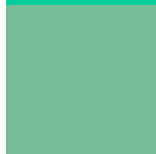
33.7379, 45.3233, 69.2575

Trichromacy



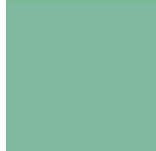
Original Color

27.5936, 45.5860, 38.7971



Protanomaly

30.8613, 41.6718, 34.4339



Deuteranomaly

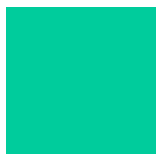
32.3877, 41.4082, 39.5433



Tritanomaly

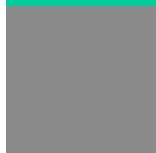
30.8523, 45.1240, 56.9529

Monochromacy



Original Color

27.5936, 45.5860, 38.7971



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.0557, 29.9597, 31.4084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5936, 45.5860, 38.7971 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, 204, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 156)  
}
```

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, 204, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 156) }
```

Border

The CSS property to change the border of an element to XYZ 27.5936, 45.5860, 38.7971 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, 204, 156) }
```


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

```
.border{ border-color:rgb(0, 204, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5936, 45.5860, 38.7971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 156) }
```

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

```
.background{ background-color: rgb(0, 204,  
156) }
```

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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