

Converting Colors

XYZ(27.5093, 45.5523, 38.3529)

Have a look what the booklet for
XYZ(27.5093, 45.5523, 38.3529)
contains.

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Color

**XYZ(27.5093, 45.5523,
38.3529)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC9B
RGB	0, 204, 155
RGB Percent	0%, 80%, 61%
CMY	0.9999, 0.2000, 0.3922
CMYK	1.00, 0.00, 0.24, 0.20
HSL	166°, 100%, 40%
HSV	166°, 100%, 80%
XYZ	27.5093, 45.5523, 38.3529
YIQ	137.4180, -105.8550, -58.4870

Conversions

Conversions Part 2

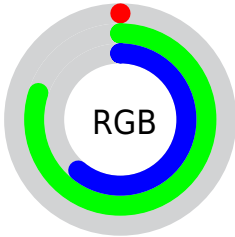
Format	Color
RYB	0, 116, 204
Decimal	52379
CIELab	73.25, -53.98, 12.64
CIELCh	73, 55.438, 166.820
Yxy	45.5523, 0.2469, 0.4089
Android (android.graphics.Color)	4278242459 (0xFF00CC9B)
YUV	137.4180, 8.6679, -120.5156
Hunter-Lab	67.4924, -45.3568, 13.5529

Details

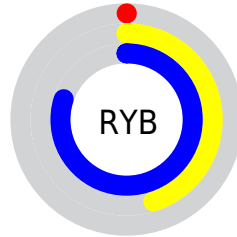
The XYZ color **27.5093, 45.5523, 38.3529** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.4581, 13.0605, 4.0883**, and the grayscale version is **23.9369, 25.1835, 27.4248**.

A 20% lighter version of the original color is **52.7481, 78.9482, 72.7800**, and **13.0886, 22.1793, 16.6879** is the 20% darker color. If you saturate the color by 10%, you get **27.5096, 45.5537, 38.3508**, and if you desaturate by 10%, it is **28.2276, 45.8752, 40.5801**.

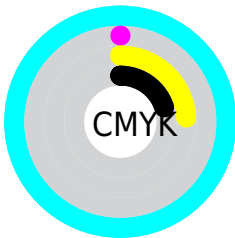
Distribution



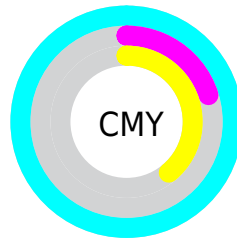
- Red (0%)
- Green (80%)
- Blue (61%)



- 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 27.5093, 45.5523, 38.3529 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 27.5093, 45.5523, 38.3529 by changing the saturation by 10% instead.


 27.5093, 45.5523,
38.3529


 27.5093, 45.5523,
38.3529


282.2375,
369.0058, 354.4749


 18.0947, 31.8927,
25.9527


 55.1142, 83.5486,
73.8581


 11.1181, 21.2795,
16.5628


 74.0352, 108.6540,
97.8003


 6.2142, 13.3285,
9.7647


 96.8556, 138.3435,
126.4269

 3.0176, 7.6551,
5.1396

 123.9409,
173.0015, 160.1564

 1.1631, 3.8751,
2.2693

 155.6563,
213.0123, 199.4074

 0.0769, 1.6039,
0.7139

192.3674,

 0.0000, 0.3602,

258.7604, 244.5985

0.0000

234.4393,
310.6301, 296.1481

■ 0.0000, 0.0000,
0.0000

■ 27.5093, 45.5523,
38.3529

■ 27.5093, 45.5523,
38.3529

■ 27.5096, 45.5537,
38.3508

■ 28.2276, 45.8752,
40.5801

■ 29.2750, 46.3647,
42.9099

■ 30.7601, 47.0778,
45.3494

■ 32.7404, 48.0442,
47.9023

■ 35.2646, 49.2890,
50.5717

■ 38.3753, 50.8342,
53.3607

■ 42.1109, 52.6994,
56.2719

■ 46.5065, 54.9027,
59.3080

■ 51.5943, 57.4608,
62.4712

Harmonies

Analogous

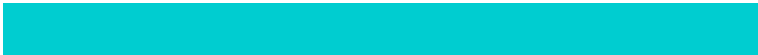
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.0313, 45.5523, 21.2171



27.5093, 45.5523, 38.3529



27.7374, 45.5523, 66.7835

Triad

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



27.5093, 45.5523, 38.3529



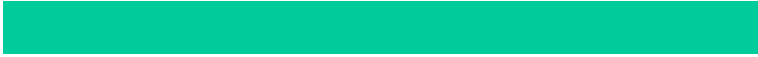
48.9413, 45.5523, 120.6383



57.4086, 45.5523, 19.8792

Complementary

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



27.5093, 45.5523, 38.3529



25.4581, 13.0605, 4.0883

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.



63.7975, 45.5523, 35.6480



27.5093, 45.5523, 38.3529



58.4293, 45.5523, 96.0655

Square

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



27.5093, 45.5523, 38.3529



39.1671, 45.5523, 122.2394



64.1968, 45.5523, 62.8524



47.7055, 45.5523, 13.5729

Rectangle

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



27.5093, 45.5523, 38.3529



29.9746, 45.5523, 89.1595



64.1968, 45.5523, 62.8524



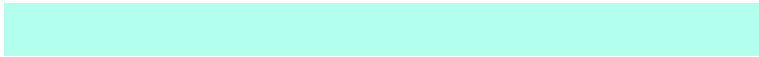
60.0745, 45.5523, 23.9100

Sweetspot

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



27.5105, 45.5541, 38.3540



69.4659, 87.1366, 92.9894



22.9602, 43.8917, 7.2627



14.2791, 18.3562, 19.4582



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.



27.5105, 45.5541, 38.3540



45.4685, 75.4034, 63.0440



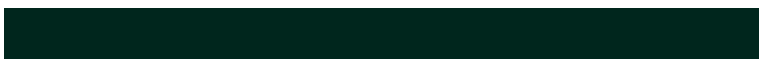
22.2927, 27.1456, 61.1935



11.4236, 12.6792, 13.7879



17.3523, 28.6862, 24.3378



0.9237, 1.4913, 1.4055

Inverse Universe

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



25.4581, 13.0605, 4.0883



42.0893, 21.5997, 6.4025



26.0877, 15.2075, 1.5612



11.3210, 11.2571, 12.2248



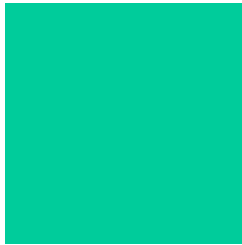
16.0535, 8.2320, 2.7342



0.8589, 0.4370, 0.3029

Previews

White Background



This preview shows how the XYZ color 27.5093, 45.5523, 38.3529 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 27.5093, 45.5523, 38.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

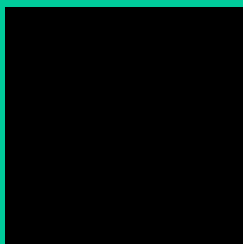
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

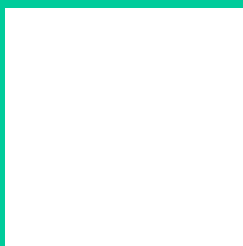
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5093, 45.5523, 38.3529

Background



This preview shows how black text looks on a background with the XYZ color 27.5093, 45.5523, 38.3529.

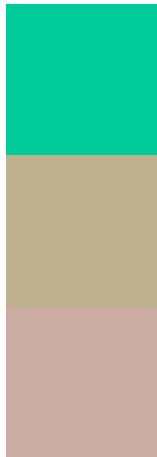


This preview shows how white text looks on a background with the XYZ color 27.5093, 45.5523,

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

27.5093, 45.5523, 38.3529

Protanopia

42.0381, 44.7409, 32.0114

Deuteranopia

45.6312, 44.6702, 40.3996



Tritanopia

33.8036, 45.3571, 69.2605

Trichromacy



Original Color

27.5093, 45.5523, 38.3529



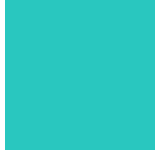
Protanomaly

30.9219, 41.7122, 34.0253



Deuteranomaly

32.4518, 41.4513, 39.0914



Tritanomaly

30.7418, 45.0799, 56.3712

Monochromacy



Original Color

27.5093, 45.5523, 38.3529



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.7094, 29.5296, 30.9411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5093, 45.5523, 38.3529 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 155) }
```

Border

The CSS property to change the border of an element to XYZ 27.5093, 45.5523, 38.3529 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, 155) }
```


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

```
.border{ border-color:rgb(0, 204, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5093, 45.5523, 38.3529 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, 155) }
```

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

```
.background{ background-color: rgb(0, 204,  
155) }
```

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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