

Converting Colors

XYZ(28.5758, 45.9789, 43.9695)

Have a look what the booklet for
XYZ(28.5758, 45.9789, 43.9695)
contains.

XYZ(28.5679, 45.9758, 43.9277)	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(28.5679, 45.9758,
43.9277)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCA7
RGB	0, 204, 167
RGB Percent	0%, 80%, 65%
CMY	0.9999, 0.2000, 0.3451
CMYK	1.00, 0.00, 0.18, 0.20
HSL	169°, 100%, 40%
HSV	169°, 100%, 80%
XYZ	28.5679, 45.9758, 43.9277
YIQ	138.7860, -109.7070, -54.7550

Conversions

Conversions Part 2

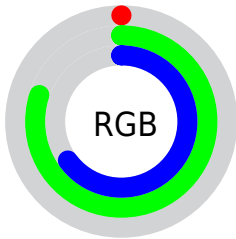
Format	Color
RYB	0, 112, 204
Decimal	52391
CIELab	73.53, -50.98, 6.58
CIElCh	74, 51.400, 172.646
Yxy	45.9758, 0.2411, 0.3881
Android (android.graphics.Color)	4278242471 (0xFF00CCA7)
YUV	138.7860, 13.9095, -121.7153
Hunter-Lab	67.8055, -43.4537, 9.0529

Details

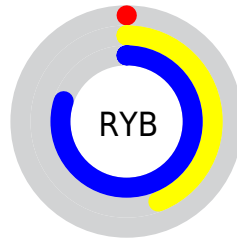
The XYZ color **28.5679, 45.9758, 43.9277** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.2374, 12.9722, 2.9263**, and the grayscale version is **24.4403, 25.7131, 28.0016**.

A 20% lighter version of the original color is **54.5383, 79.6775, 81.6121**, and **13.8420, 22.7327, 19.8780** is the 20% darker color. If you saturate the color by 10%, you get **28.5684, 45.9772, 43.9265**, and if you desaturate by 10%, it is **29.2132, 46.2695, 45.7706**.

Distribution



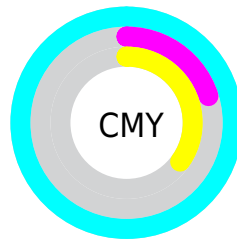
- Red (0%)
- Green (80%)
- Blue (65%)



- Red (0%)
- Yellow (44%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5679, 45.9758, 43.9277 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 28.5679, 45.9758, 43.9277 by changing the saturation by 10% instead.


 28.5679, 45.9758,
43.9277


 28.5679, 45.9758,
43.9277


287.2018,
370.7113, 378.4459


 18.8968, 32.2267,
30.2769


 56.7922, 84.1828,
82.4103


 11.6993, 21.5347,
19.7950


 76.0761, 109.4095,
108.0791


 6.6100, 13.5154,
12.0635


 99.2950, 139.2308,
138.5910

 3.2636, 7.7844,
6.6639

 126.8142,
174.0312, 174.3646

 1.2946, 3.9573,
3.1776

 158.9992,
214.1951, 215.8183

 0.1792, 1.6497,
1.1860

196.2152,

 0.0000, 0.3908,

260.1068, 263.3707

0.0000

238.8276,
312.1508, 317.4404

■ 0.0000, 0.0000,
0.0000

■ 28.5679, 45.9758,
43.9277

■ 28.5679, 45.9758,
43.9277

■ 28.5684, 45.9772,
43.9265

■ 29.2132, 46.2695,
45.7706

■ 30.1805, 46.7269,
47.6791

■ 31.5784, 47.4052,
49.6597

■ 33.4643, 48.3338,
51.7155

■ 35.8866, 49.5379,
53.8492

■ 38.8881, 51.0393,
56.0631

■ 42.5068, 52.8577,
58.3594

■ 46.7778, 55.0112,
60.7402

■ 51.7333, 57.5164,
63.2073

Harmonies

Analogous

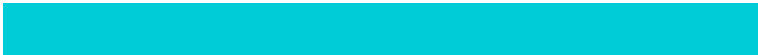
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.2363, 45.9758, 25.4354



28.5679, 45.9758, 43.9277



29.4834, 45.9758, 71.8887

Triad

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



28.5679, 45.9758, 43.9277



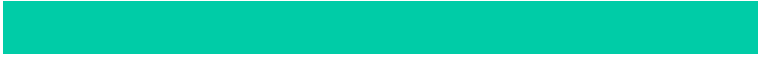
50.7725, 45.9758, 111.8483



55.1723, 45.9758, 19.9021

Complementary

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



28.5679, 45.9758, 43.9277



25.2374, 12.9722, 2.9263

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.



61.8758, 45.9758, 33.1683



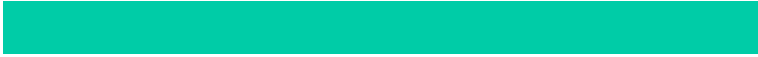
28.5679, 45.9758, 43.9277



59.1000, 45.9758, 86.9445

Square

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



28.5679, 45.9758, 43.9277



41.5014, 45.9758, 117.8384



63.4046, 45.9758, 56.7376



45.9720, 45.9758, 15.0395

Rectangle

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



28.5679, 45.9758, 43.9277



32.0721, 45.9758, 92.1556



63.4046, 45.9758, 56.7376



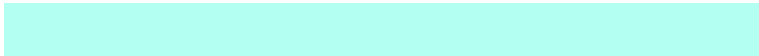
57.8418, 45.9758, 23.2492

Sweetspot

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



28.5692, 45.9776, 43.9288



70.1306, 87.4024, 96.4894



22.3720, 43.5885, 7.2351



14.4393, 18.4203, 20.3019



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.



28.5692, 45.9776, 43.9288



47.2368, 76.1107, 72.3559



20.1920, 22.9443, 60.4933



11.4526, 12.6908, 13.9406



18.0122, 28.9502, 27.8131



0.9526, 1.5028, 1.5578

Inverse Universe

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



25.2374, 12.9722, 2.9263



41.7382, 21.4593, 4.5537



26.7714, 16.5749, 1.7890



11.2941, 11.2464, 12.0831



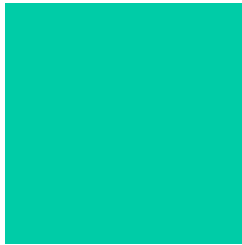
15.9087, 8.1741, 1.9721



0.8466, 0.4320, 0.2380

Previews

White Background



This preview shows how the XYZ color 28.5679, 45.9758, 43.9277 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 28.5679, 45.9758, 43.9277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

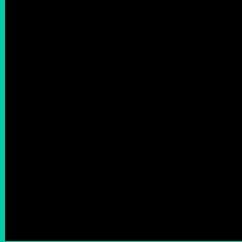
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

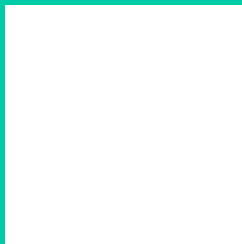
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5679, 45.9758, 43.9277

Background



This preview shows how black text looks on a background with the XYZ color 28.5679, 45.9758, 43.9277.



This preview shows how white text looks on a background with the XYZ color 28.5679, 45.9758,

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

28.5679, 45.9758, 43.9277

Protanopia

42.6919, 45.2647, 37.0587

Deuteranopia

46.1367, 45.0852, 46.3151



Tritanopia

34.1952, 46.2039, 70.7343

Trichromacy



Original Color

28.5679, 45.9758, 43.9277



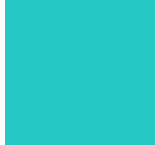
Protanomaly

31.9870, 42.4627, 39.3111



Deuteranomaly

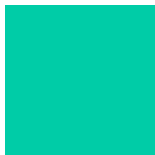
33.2436, 41.7333, 44.8313



Tritanomaly

31.5316, 45.7518, 59.9924

Monochromacy



Original Color

28.5679, 45.9758, 43.9277



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.5465, 30.4390, 33.1208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5679, 45.9758, 43.9277 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 167) }
```

Border

The CSS property to change the border of an element to XYZ 28.5679, 45.9758, 43.9277 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, 167) }
```


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

```
.border{ border-color:rgb(0, 204, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5679, 45.9758, 43.9277 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, 167) }
```

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

```
.background{ background-color: rgb(0, 204,  
167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor