

Converting Colors

XYZ(29.0345, 45.5650, 43.5478)

Have a look what the booklet for
XYZ(29.0345, 45.5650, 43.5478)
contains.

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Color

**XYZ(28.9583, 45.4865,
43.3299)**

Conversions

Conversions Part 1

Format	Color
Hex	2ACAA6
RGB	42, 202, 166
RGB Percent	16%, 79%, 65%
CMY	0.8353, 0.2078, 0.3490
CMYK	0.79, 0.00, 0.18, 0.21
HSL	166°, 66%, 48%
HSV	166°, 79%, 79%
XYZ	28.9583, 45.4865, 43.3299
YIQ	150.0560, -83.8040, -45.1160

Conversions

Conversions Part 2

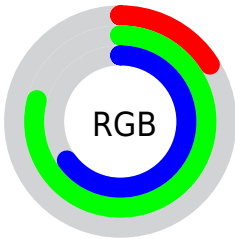
Format	Color
RYB	42, 132, 202
Decimal	2804390
CIELab	73.21, -48.08, 6.70
CIELCh	73, 48.550, 172.064
Yxy	45.4865, 0.2459, 0.3862
Android (android.graphics.Color)	4280994470 (0xFF2ACAA6)
YUV	150.0560, 7.8604, -94.7651
Hunter-Lab	67.4437, -41.3839, 9.1191

Details

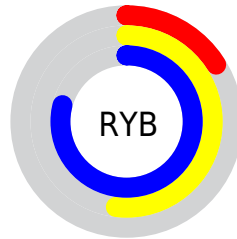
The XYZ color **28.9583, 45.4865, 43.3299** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **26.5618, 14.7637, 8.6593**, and the grayscale version is **29.0079, 30.5186, 33.2348**.

A 20% lighter version of the original color is **55.8814, 80.3853, 80.9773**, and **13.4710, 22.0823, 19.4719** is the 20% darker color. If you saturate the color by 10%, you get **27.9213, 45.0004, 41.1439**, and if you desaturate by 10%, it is **30.4286, 46.1965, 45.6152**.

Distribution



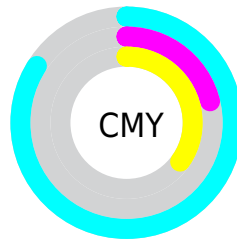
- Red (16%)
- Green (79%)
- Blue (65%)



- Red (16%)
- Yellow (52%)
- Blue (79%)



- Cyan (79%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)




- Cyan (84%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9583, 45.4865, 43.3299 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 28.9583, 45.4865, 43.3299 by changing the saturation by 10% instead.


 28.9583, 45.4865,
43.3299


 28.9583, 45.4865,
43.3299


289.0159,
368.7403, 375.9277


 19.1934, 31.8408,
29.8107

 57.4088, 83.4500,
81.5001


 11.9149, 21.2399,
19.4441


 76.8252, 108.5365,
106.9883


 6.7576, 13.2995,
11.8116


 100.1894,
138.2055, 137.3032

 3.3559, 7.6351,
6.4945

 127.8669,
172.8413, 172.8634

 1.3447, 3.8624,
3.0744

 160.2229,
212.8283, 214.0874

 0.2163, 1.5969,
1.1328

197.6228,

 0.0000, 0.3555,

258.5508, 261.3937

0.0000

240.4320,
310.3934, 315.2010

■ 0.0000, 0.0000,
0.0000

■ 28.9583, 45.4865,
43.3299

■ 28.9583, 45.4865,
43.3299

■ 27.9213, 45.0004,
41.1439

■ 30.4286, 46.1965,
45.6152

■ 27.2196, 44.6843,
39.0487

■ 32.3836, 47.1536,
47.9998

■ 27.1687, 44.6616,
38.8854

■ 34.8715, 48.3837,
50.4879

■ 37.9334, 49.9079,
53.0821

■ 41.6066, 51.7455,
55.7849

■ 45.9249, 53.9138,
58.5985

■ 50.9197, 56.4292,
61.5252

■ 56.6205, 59.3066,
64.5671

■ 63.0548, 62.5603,
67.7261

Harmonies

Analogous

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



31.5615, 45.4865, 25.9276



28.9583, 45.4865, 43.3299



29.7637, 45.4865, 69.3155

Triad

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



28.9583, 45.4865, 43.3299



49.6813, 45.4865, 106.9455



54.1027, 45.4865, 20.9823

Complementary

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



28.9583, 45.4865, 43.3299



26.5618, 14.7637, 8.6593

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.



60.2551, 45.4865, 33.9163



28.9583, 45.4865, 43.3299



57.4778, 45.4865, 84.3165

Square

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



28.9583, 45.4865, 43.3299



41.0118, 45.4865, 112.0110



61.5651, 45.4865, 56.2886



45.5342, 45.4865, 16.0854

Rectangle

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



28.9583, 45.4865, 43.3299



32.1802, 45.4865, 88.0600



61.5651, 45.4865, 56.2886



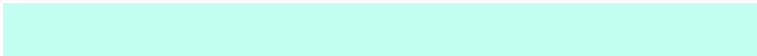
56.5660, 45.4865, 24.2829

Sweetspot

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



28.9596, 45.4883, 43.3310



73.8682, 89.3275, 96.7472



24.7922, 44.0867, 9.3941



15.2624, 18.8445, 20.3424



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.



28.9596, 45.4883, 43.3310



46.4050, 75.7967, 67.1285



24.0726, 29.6695, 60.3372



11.4310, 12.6822, 13.8272



17.5170, 28.7521, 25.2054



0.9309, 1.4942, 1.4439

Inverse Universe

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



26.5618, 14.7637, 8.6593



42.4017, 21.9499, 7.3532



27.9989, 19.1699, 4.4157



11.3140, 11.2543, 12.1881



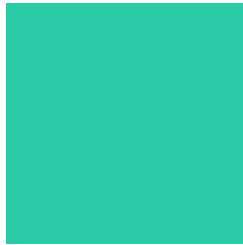
16.0121, 8.2154, 2.5166



0.8557, 0.4357, 0.2862

Previews

White Background



This preview shows how the XYZ color 28.9583, 45.4865, 43.3299 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 28.9583, 45.4865, 43.3299 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

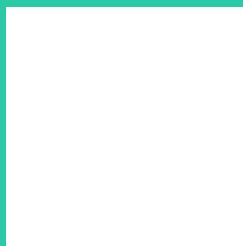
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9583, 45.4865, 43.3299

Background



This preview shows how black text looks on a background with the XYZ color 28.9583, 45.4865, 43.3299.

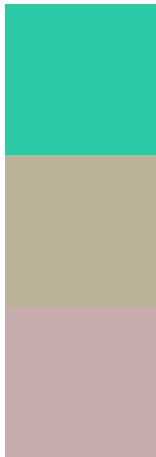


This preview shows how white text looks on a background with the XYZ color 28.9583, 45.4865,

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

28.9583, 45.4865, 43.3299

Protanopia

42.1637, 44.7055, 36.5438

Deuteranopia

45.4876, 44.4894, 45.2196



Tritanopia

34.1494, 45.5354, 69.2767

Trichromacy



Original Color

28.9583, 45.4865, 43.3299



Protanomaly

33.7734, 43.0776, 38.8825



Deuteranomaly

35.1737, 42.4320, 44.3665



Tritanomaly

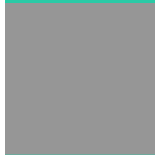
31.9079, 45.2890, 58.6897

Monochromacy



Original Color

28.9583, 45.4865, 43.3299



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.7443, 34.1557, 36.6356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9583, 45.4865, 43.3299 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(42, 202, 166)` looks like.

```
.text, #text, p{  
    color:rgb(42, 202, 166)  
}
```

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(42, 202, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 202, 166) }
```

Border

The CSS property to change the border of an element to XYZ 28.9583, 45.4865, 43.3299 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(42, 202, 166) }
```


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

```
.border{ border-color:rgb(42, 202, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 202, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 202, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 202, 166);  
box-shadow:4px 4px 4px 4px rgb(42, 202,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9583, 45.4865, 43.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 202, 166) }
```

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

```
.background{ background-color: rgb(42, 202,  
166) }
```

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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