

Converting Colors

XYZ(28.3954, 45.9393, 42.9189)

Have a look what the booklet for
XYZ(28.3954, 45.9393, 42.9189)
contains.

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Color

**XYZ(28.3844, 45.9023,
42.9613)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCA5
RGB	0, 204, 165
RGB Percent	0%, 80%, 65%
CMY	0.9999, 0.2000, 0.3529
CMYK	1.00, 0.00, 0.19, 0.20
HSL	169°, 100%, 40%
HSV	169°, 100%, 80%
XYZ	28.3844, 45.9023, 42.9613
YIQ	138.5580, -109.0650, -55.3770

Conversions

Conversions Part 2

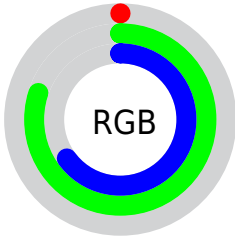
Format	Color
RYB	0, 113, 204
Decimal	52389
CIELab	73.48, -51.49, 7.59
CIELCh	73, 52.047, 171.616
Yxy	45.9023, 0.2421, 0.3915
Android (android.graphics.Color)	4278242469 (0xFF00CCA5)
YUV	138.5580, 13.0359, -121.5154
Hunter-Lab	67.7512, -43.7820, 9.8299

Details

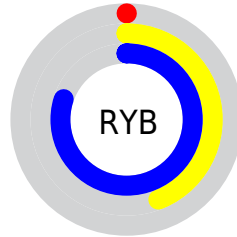
The XYZ color **28.3844, 45.9023, 42.9613** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.2698, 12.9852, 3.0969**, and the grayscale version is **24.3565, 25.6250, 27.9056**.

A 20% lighter version of the original color is **54.2718, 79.5709, 80.2084**, and **13.7281, 22.6871, 19.2783** is the 20% darker color. If you saturate the color by 10%, you get **28.3847, 45.9036, 42.9594**, and if you desaturate by 10%, it is **29.0432, 46.2014, 44.8751**.

Distribution



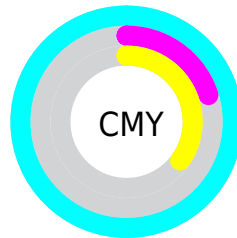
- Red (0%)
- Green (80%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3844, 45.9023, 42.9613 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 28.3844, 45.9023, 42.9613 by changing the saturation by 10% instead.


 28.3844, 45.9023,
42.9613


 28.3844, 45.9023,
42.9613


286.3461,
370.4157, 374.3691


 18.7576, 32.1687,
29.5236


 56.5019, 84.0728,
80.9382


 11.5982, 21.4904,
19.2283


 75.7233, 109.2784,
106.3144


 6.5409, 13.4829,
11.6569


 98.8736, 139.0770,
136.5073

 3.2205, 7.7619,
6.3908

 126.3182,
173.8527, 171.9352

 1.2714, 3.9430,
3.0115

 158.4224,
213.9900, 213.0168

 0.1617, 1.6417,
1.1005

195.5515,

 0.0000, 0.3855,

259.8734, 260.1707

0.0000

238.0709,
311.8872, 313.8153

■ 0.0000, 0.0000,
0.0000

■ 28.3844, 45.9023,
42.9613

■ 28.3844, 45.9023,
42.9613

■ 28.3847, 45.9036,
42.9594

■ 29.0432, 46.2014,
44.8751

■ 30.0252, 46.6647,
46.8601

■ 31.4387, 47.3492,
48.9227

■ 33.3414, 48.2846,
51.0663

■ 35.7817, 49.4959,
53.2934

■ 38.8022, 51.0049,
55.6067

■ 42.4411, 52.8314,
58.0083

■ 46.7333, 54.9935,
60.5003

■ 51.7113, 57.5077,
63.0847

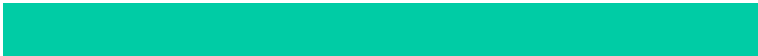
Harmonies

Analogous

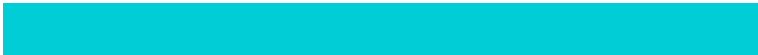
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1969, 45.9023, 24.6914



28.3844, 45.9023, 42.9613



29.1826, 45.9023, 71.0252

Triad

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



28.3844, 45.9023, 42.9613



50.4639, 45.9023, 113.2954



55.5402, 45.9023, 19.8907

Complementary

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



28.3844, 45.9023, 42.9613



25.2698, 12.9852, 3.0969

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.



62.1947, 45.9023, 33.5658



28.3844, 45.9023, 42.9613



58.9894, 45.9023, 88.4266

Square

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



28.3844, 45.9023, 42.9613



41.1038, 45.9023, 118.5812



63.5384, 45.9023, 57.7239



46.2550, 45.9023, 14.7812

Rectangle

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



28.3844, 45.9023, 42.9613



31.7117, 45.9023, 91.6621



63.5384, 45.9023, 57.7239



58.2100, 45.9023, 23.3507

Sweetspot

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



28.3857, 45.9041, 42.9624



70.0186, 87.3577, 95.8998



22.5013, 43.6551, 7.2413



14.4123, 18.4095, 20.1596



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.



28.3857, 45.9041, 42.9624



46.9299, 75.9880, 70.7400



20.6941, 23.9484, 60.6605



11.4477, 12.6888, 13.9150



17.8979, 28.9044, 27.2109



0.9476, 1.5009, 1.5317

Inverse Universe

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



25.2698, 12.9852, 3.0969



41.7893, 21.4797, 4.8226



26.5835, 16.1992, 1.7266



11.2985, 11.2481, 12.1066



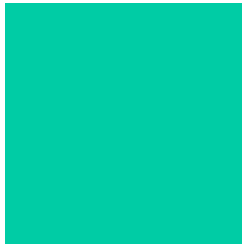
15.9301, 8.1826, 2.0845



0.8486, 0.4329, 0.2488

Previews

White Background



This preview shows how the XYZ color 28.3844, 45.9023, 42.9613 looks on a white background.

Color Contrast Check

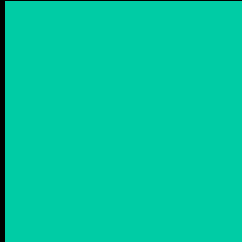
Large Text (above 18pt) WCAG AA × Fail

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 28.3844, 45.9023, 42.9613 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

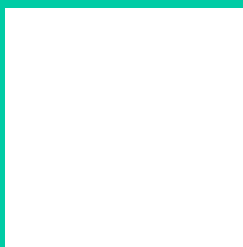
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3844, 45.9023, 42.9613

Background



This preview shows how black text looks on a background with the XYZ color 28.3844, 45.9023, 42.9613.



This preview shows how white text looks on a background with the XYZ color 28.3844, 45.9023,

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

28.3844, 45.9023, 42.9613

Protanopia

42.5266, 45.1986, 36.1886

Deuteranopia

45.9432, 45.0078, 45.2956



Tritanopia

33.9010, 45.7287, 69.9905

Trichromacy



Original Color

28.3844, 45.9023, 42.9613



Protanomaly

31.8148, 42.3938, 38.4043



Deuteranomaly

33.0543, 41.6576, 43.8347



Tritanomaly

31.4548, 45.7254, 59.3926

Monochromacy



Original Color

28.3844, 45.9023, 42.9613



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.4670, 30.4072, 32.7020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3844, 45.9023, 42.9613 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 165) }
```

Border

The CSS property to change the border of an element to XYZ 28.3844, 45.9023, 42.9613 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, 165) }
```


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

```
.border{ border-color:rgb(0, 204, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3844, 45.9023, 42.9613 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, 165) }
```

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

```
.background{ background-color: rgb(0, 204,  
165) }
```

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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