

Converting Colors

XYZ(28.8161, 44.3474, 45.5298)

Have a look what the booklet for
XYZ(28.8161, 44.3474, 45.5298)
contains.

XYZ(28.8128, 44.3226, 45.5646)	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(28.8128, 44.3226,
45.5646)**

Conversions

Conversions Part 1

Format	Color
Hex	2CC7AB
RGB	44, 199, 171
RGB Percent	17%, 78%, 67%
CMY	0.8274, 0.2196, 0.3294
CMYK	0.78, 0.00, 0.14, 0.22
HSL	169°, 64%, 48%
HSV	169°, 78%, 78%
XYZ	28.8128, 44.3226, 45.5646
YIQ	149.4630, -83.3920, -41.5680

Conversions

Conversions Part 2

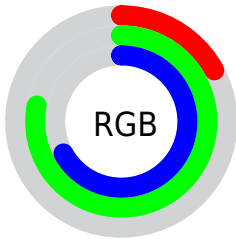
Format	Color
RYB	44, 129, 199
Decimal	2934699
CIELab	72.44, -45.34, 2.89
CIElCh	72, 45.433, 176.349
Yxy	44.3226, 0.2427, 0.3734
Android (android.graphics.Color)	4281124779 (0xFF2CC7AB)
YUV	149.4630, 10.6177, -92.4911
Hunter-Lab	66.5752, -39.2544, 6.0241

Details

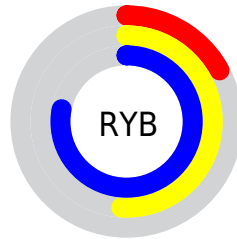
The XYZ color **28.8128, 44.3226, 45.5646** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **25.6251, 14.4125, 7.5639**, and the grayscale version is **28.7456, 30.2426, 32.9342**.

A 20% lighter version of the original color is **56.6899, 80.7240, 84.5449**, and **13.3030, 21.2784, 20.8588** is the 20% darker color. If you saturate the color by 10%, you get **27.8161, 43.8489, 43.7541**, and if you desaturate by 10%, it is **30.2309, 45.0146, 47.4455**.

Distribution



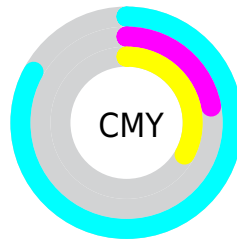
- Red (17%)
- Green (78%)
- Blue (67%)



- Red (17%)
- Yellow (51%)
- Blue (78%)



- Cyan (78%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)





- Cyan (83%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8128, 44.3226, 45.5646 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 28.8128, 44.3226, 45.5646 by changing the saturation by 10% instead.


 28.8128, 44.3226,
45.5646


 28.8128, 44.3226,
45.5646


288.3408,
364.0231, 385.2820


 19.0828, 30.9242,
31.5562


 57.1792, 81.7030,
84.8944


 11.8345, 20.5411,
20.7607


 76.5462, 106.4537,
111.0529

 6.7025, 12.7890,
12.7597

 99.8564, 135.7574,
142.0985

 3.3214, 7.2834,
7.1345

 127.4750,
169.9983, 178.4497

 1.3259, 3.6400,
3.4666

 159.7674,
209.5610, 220.5252

 0.2025, 1.4743,
1.3376

197.0989,

 0.0000, 0.2705,

254.8297, 268.7433

0.0923

239.8349,
306.1890, 323.5228

■ 0.0000, 0.0000,
0.0000

■ 28.8128, 44.3226,
45.5646

■ 28.8128, 44.3226,
45.5646

■ 27.8161, 43.8489,
43.7541

■ 30.2309, 45.0146,
47.4455

■ 27.1606, 43.5490,
42.0069

■ 32.1184, 45.9464,
49.3964

■ 27.0396, 43.4945,
41.6444

■ 34.5209, 47.1426,
51.4208

■ 37.4774, 48.6233,
53.5209

■ 41.0232, 50.4067,
55.6987

■ 45.1906, 52.5094,
57.9562

■ 50.0095, 54.9469,
60.2950

■ 55.5079, 57.7335,
62.7168

■ 61.7121, 60.8829,
65.2232

Harmonies

Analogous

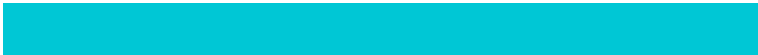
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7920, 44.3226, 28.0857



28.8128, 44.3226, 45.5646



30.0203, 44.3226, 70.0486

Triad

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



28.8128, 44.3226, 45.5646



49.1722, 44.3226, 98.1536



51.0370, 44.3226, 20.5214

Complementary

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



28.8128, 44.3226, 45.5646



25.6251, 14.4125, 7.5639

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.



57.1172, 44.3226, 31.5345



28.8128, 44.3226, 45.5646



55.9503, 44.3226, 76.3268

Square

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



28.8128, 44.3226, 45.5646



41.1754, 44.3226, 105.3774



59.0174, 44.3226, 51.0592



43.0938, 44.3226, 16.7425

Rectangle

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



28.8128, 44.3226, 45.5646



32.5624, 44.3226, 86.6835



59.0174, 44.3226, 51.0592



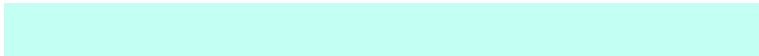
53.4028, 44.3226, 23.2933

Sweetspot

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



28.8141, 44.3243, 45.5656



75.0067, 89.8590, 99.3013



23.5831, 42.4243, 9.3294



15.5021, 18.9550, 20.9470



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.



28.8141, 44.3243, 45.5656



47.9100, 76.4085, 74.6138



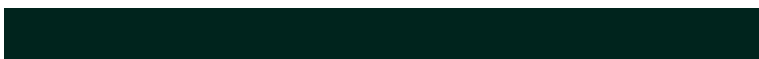
22.2421, 26.4470, 57.9673



10.8613, 12.0334, 13.2199



17.4160, 27.9788, 26.9331



0.8467, 1.3336, 1.3915

Inverse Universe

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



25.6251, 14.4125, 7.5639



42.2880, 22.0214, 6.3935



27.9311, 20.1690, 4.8046



10.7108, 10.6677, 11.4605



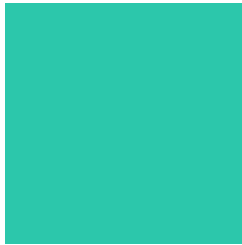
15.3730, 7.8988, 1.9084



0.7525, 0.3838, 0.2196

Previews

White Background



This preview shows how the XYZ color 28.8128, 44.3226, 45.5646 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 28.8128, 44.3226, 45.5646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

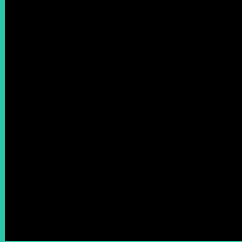
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

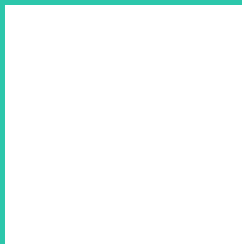
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8128, 44.3226, 45.5646

Background



This preview shows how black text looks on a background with the XYZ color 28.8128, 44.3226, 45.5646.

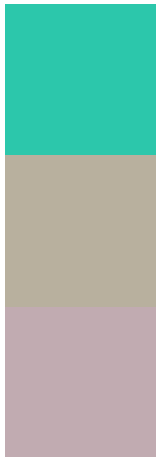


This preview shows how white text looks on a background with the XYZ color 28.8128, 44.3226,

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

28.8128, 44.3226, 45.5646

Protanopia

41.4641, 43.7096, 38.5992

Deuteranopia

44.4910, 43.6376, 47.6729



Tritanopia

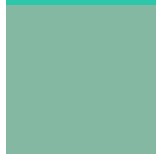
33.1843, 44.4160, 67.1457

Trichromacy



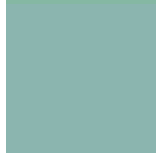
Original Color

28.8128, 44.3226, 45.5646



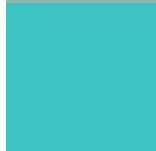
Protanomaly

33.4242, 41.9119, 40.9785



Deuteranomaly

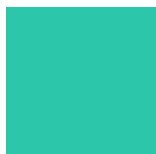
34.9092, 41.6319, 46.7533



Tritanomaly

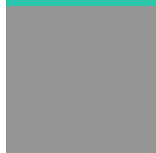
31.3939, 44.3498, 58.5355

Monochromacy



Original Color

28.8128, 44.3226, 45.5646



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.4601, 33.4513, 36.9604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8128, 44.3226, 45.5646 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(44, 199, 171)` looks like.

```
.text, #text, p{  
    color:rgb(44, 199, 171)  
}
```

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(44, 199, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 199, 171) }
```

Border

The CSS property to change the border of an element to XYZ 28.8128, 44.3226, 45.5646 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(44, 199, 171) }
```


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

```
.border{ border-color:rgb(44, 199, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 199, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 199, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 199, 171);  
box-shadow:4px 4px 4px 4px rgb(44, 199,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8128, 44.3226, 45.5646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 199, 171) }
```

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

```
.background{ background-color: rgb(44, 199,  
171) }
```

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