

Converting Colors

XYZ(28.5928, 44.0785, 49.9393)

Have a look what the booklet for
XYZ(28.5928, 44.0785, 49.9393)
contains.

XYZ(28.6616, 44.1421, 50.1897)	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(28.6616, 44.1421,
50.1897)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7B4
RGB	0, 199, 180
RGB Percent	0%, 78%, 71%
CMY	0.9999, 0.2196, 0.2941
CMYK	1.00, 0.00, 0.10, 0.22
HSL	174°, 100%, 39%
HSV	174°, 100%, 78%
XYZ	28.6616, 44.1421, 50.1897
YIQ	137.3330, -112.5050, -48.0970

Conversions

Conversions Part 2

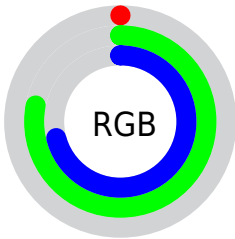
Format	Color
RYB	0, 104, 199
Decimal	51124
CIELab	72.32, -45.41, -2.21
CIELCh	72, 45.465, 182.791
Yxy	44.1421, 0.2330, 0.3589
Android (android.graphics.Color)	4278241204 (0xFF00C7B4)
YUV	137.3330, 21.0348, -120.4410
Hunter-Lab	66.4395, -39.2654, 1.7189

Details

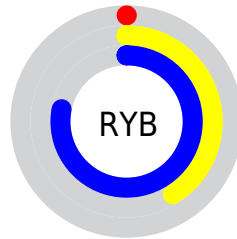
The XYZ color **28.6616, 44.1421, 50.1897** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **23.6721, 12.1903, 1.7229**, and the grayscale version is **23.8613, 25.1039, 27.3382**.

A 20% lighter version of the original color is **56.4938, 80.4597, 91.9096**, and **13.8040, 21.4788, 23.4970** is the 20% darker color. If you saturate the color by 10%, you get **28.6622, 44.1434, 50.1891**, and if you desaturate by 10%, it is **29.1446, 44.3696, 51.2310**.

Distribution



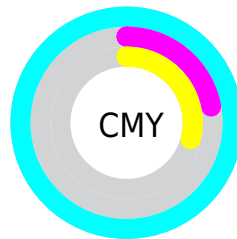
- Red (0%)
- Green (78%)
- Blue (71%)



- Red (0%)
- Yellow (41%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6616, 44.1421, 50.1897 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 28.6616, 44.1421, 50.1897 by changing the saturation by 10% instead.


 28.6616, 44.1421,
50.1897


 28.6616, 44.1421,
50.1897


287.6380,
363.2878, 404.1636


 18.9680, 30.7822,
35.1919


 56.9403, 81.4315,
91.8551

 11.7510, 20.4331,
23.5260

 76.2561, 106.1299,
119.3598


 6.6454, 12.7102,
14.7735


 99.5099, 135.3765,
151.8705

 3.2857, 7.2293,
8.5157

 127.0672,
169.5558, 189.8058

 1.3066, 3.6059,
4.3342

 159.2933,
209.0522, 233.5842

 0.1881, 1.4557,
1.8104

196.5536,

 0.0000, 0.2572,

254.2501, 283.6243

0.4348

239.2134,
305.5338, 340.3446

■ 0.0000, 0.0000,
0.0000

■ 28.6616, 44.1421,
50.1897

■ 28.6616, 44.1421,
50.1897

■ 28.6622, 44.1434,
50.1891

■ 29.1446, 44.3696,
51.2310

■ 29.9237, 44.7484,
52.2991

■ 31.1028, 45.3331,
53.3998

■ 32.7358, 46.1515,
54.5358

■ 34.8682, 47.2270,
55.7093

■ 37.5400, 48.5803,
56.9221

■ 40.7871, 50.2298,
58.1761

■ 44.6422, 52.1925,
59.4727

■ 49.1357, 54.4840,
60.8135

Harmonies

Analogous

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



29.9570, 44.1421, 30.9440



28.6616, 44.1421, 50.1897



30.5455, 44.1421, 75.3505

Triad

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



28.6616, 44.1421, 50.1897



50.6343, 44.1421, 94.0962



49.2110, 44.1421, 19.0435

Complementary

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



28.6616, 44.1421, 50.1897



23.6721, 12.1903, 1.7229

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.



55.9033, 44.1421, 28.3155



28.6616, 44.1421, 50.1897



56.7941, 44.1421, 70.5569

Square

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



28.6616, 44.1421, 50.1897



42.6918, 44.1421, 105.1588



58.8317, 44.1421, 45.9977



41.2282, 44.1421, 16.6126

Rectangle

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



28.6616, 44.1421, 50.1897



33.5063, 44.1421, 91.1480



58.8317, 44.1421, 45.9977



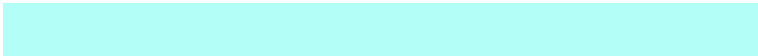
51.7181, 44.1421, 21.2838

Sweetspot

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



28.6629, 44.1438, 50.1908



71.1309, 87.8026, 101.7571



20.7113, 40.9963, 6.8224



14.6816, 18.5172, 21.5776



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.



28.6629, 44.1438, 50.1908



50.1341, 77.2696, 87.6130



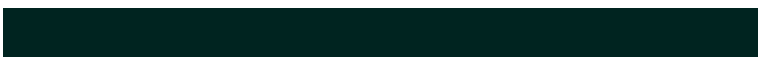
16.9558, 17.4164, 56.5027



10.9014, 12.0494, 13.4307



18.4476, 28.3914, 32.3651



0.8865, 1.3495, 1.6011

Inverse Universe

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



23.6721, 12.1903, 1.7229



41.4086, 21.3274, 2.8176



26.3951, 17.8244, 2.0502



10.6743, 10.6531, 11.2683



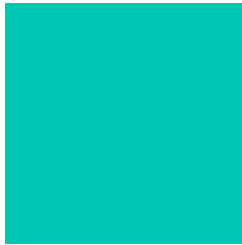
15.2357, 7.8438, 1.1851



0.7358, 0.3772, 0.1319

Previews

White Background



This preview shows how the XYZ color 28.6616, 44.1421, 50.1897 looks on a white background.

Color Contrast Check

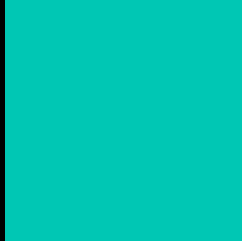
Large Text (above 18pt) WCAG AA × Fail

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 28.6616, 44.1421, 50.1897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

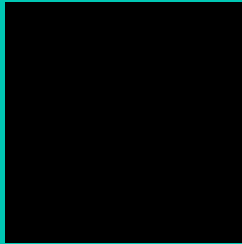
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

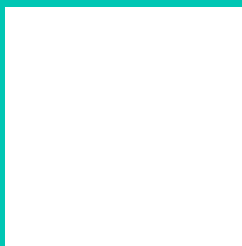
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6616, 44.1421, 50.1897

Background



This preview shows how black text looks on a background with the XYZ color 28.6616, 44.1421, 50.1897.

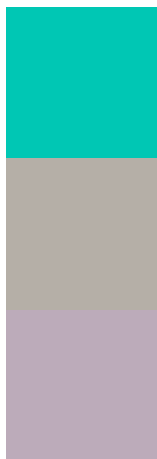


This preview shows how white text looks on a background with the XYZ color 28.6616, 44.1421,

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

28.6616, 44.1421, 50.1897

Protanopia

41.3611, 43.2737, 42.7319

Deuteranopia

44.1649, 43.3624, 52.4964



Tritanopia

32.4634, 44.3615, 67.8244

Trichromacy



Original Color

28.6616, 44.1421, 50.1897



Protanomaly

31.6571, 40.9044, 45.2566



Deuteranomaly

32.9213, 40.5015, 51.4298



Tritanomaly

30.6444, 43.9105, 60.8933

Monochromacy



Original Color

28.6616, 44.1421, 50.1897



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.2511, 29.4678, 34.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6616, 44.1421, 50.1897 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, 199, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 180)  
}
```

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, 199, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 180) }
```

Border

The CSS property to change the border of an element to XYZ 28.6616, 44.1421, 50.1897 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, 199, 180) }
```


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

```
.border{ border-color:rgb(0, 199, 180) }
```

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

Here you see how a box with a 4 pixel rgb(0, 199, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6616, 44.1421, 50.1897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 180) }
```

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

```
.background{ background-color: rgb(0, 199,  
180) }
```

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