

Converting Colors

XYZ(28.8485, 40.2584, 63.3769)

Have a look what the booklet for
XYZ(28.8485, 40.2584, 63.3769)
contains.

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Color

**XYZ(28.8823, 40.3261,
63.3882)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCCC
RGB	0, 188, 204
RGB Percent	0%, 74%, 80%
CMY	0.9998, 0.2627, 0.2000
CMYK	1.00, 0.08, 0.00, 0.20
HSL	185°, 100%, 40%
HSV	185°, 100%, 80%
XYZ	28.8823, 40.3261, 63.3882
YIQ	133.6120, -117.1840, -34.8800

Conversions

Conversions Part 2

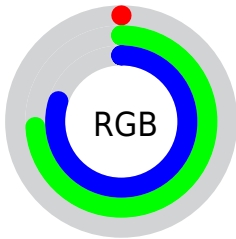
Format	Color
RYB	0, 98, 204
Decimal	48332
CIELab	69.70, -33.25, -19.24
CIELCh	70, 38.415, 210.053
Yxy	40.3261, 0.2178, 0.3041
Android (android.graphics.Color)	4278238412 (0xFF00BCCC)
YUV	133.6120, 34.7013, -117.1777
Hunter-Lab	63.5028, -29.9448, -14.7310

Details

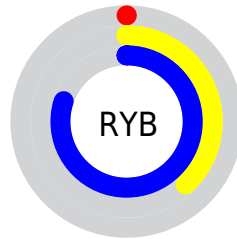
The XYZ color **28.8823, 40.3261, 63.3882** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **25.0883, 13.2095, 1.2287**, and the grayscale version is **22.4307, 23.5989, 25.6992**.

A 20% lighter version of the original color is **56.4113, 75.4679, 106.2013**, and **14.0301, 19.2522, 31.8307** is the 20% darker color. If you saturate the color by 10%, you get **28.8823, 40.3258, 63.3889**, and if you desaturate by 10%, it is **29.5244, 41.1682, 63.5177**.

Distribution



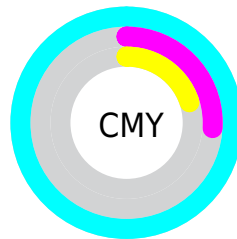
- Red (0%)
- Green (74%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8823, 40.3261, 63.3882 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 28.8823, 40.3261, 63.3882 by changing the saturation by 10% instead.

■ 28.8823, 40.3261,
63.3882

■ 28.8823, 40.3261,
63.3882

288.6634,
347.4961, 455.1236

■ 19.1356, 27.7929,
45.7123

■ 57.2889, 75.6598,
111.3204

■ 11.8729, 18.1696,
31.6718

■ 76.6795, 99.2291,
142.4137

■ 6.7288, 11.0718,
20.8482

■ 100.0155,
127.2459, 178.8166

■ 3.3379, 6.1152,
12.8229

■ 127.6622,
160.0946, 220.9476

■ 1.3349, 2.9152,
7.1774

■ 159.9850,
198.1596, 269.2253

■ 0.2091, 1.0876,
3.4932

197.3493,

■ 0.0000, 0.0000,

241.8252, 324.0682

1.3516

240.1203,
291.4759, 385.8948

■ 0.0000, 0.0000,
0.1036

■ 0.0000, 0.0000,
0.0000

■ 28.8823, 40.3261,
63.3882

■ 28.8823, 40.3261,
63.3882

■ 28.8823, 40.3258,
63.3889

■ 29.5244, 41.1682,
63.5177

■ 30.4826, 42.1782,
63.6621

■ 31.8653, 43.4126,
63.8275

■ 33.7298, 44.9011,
64.0165

■ 36.1246, 46.6686,
64.2315

■ 39.0921, 48.7371,
64.4743

■ 42.6705, 51.1264,
64.7469

■ 46.8948, 53.8542,
65.0508

■ 51.7971, 56.9374,
65.3875

Harmonies

Analogous

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



27.5715, 40.3261, 43.9397



28.8823, 40.3261, 63.3882



32.6640, 40.3261, 80.7682

Triad

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



28.8823, 40.3261, 63.3882



49.6515, 40.3261, 63.3186



38.3178, 40.3261, 17.7941

Complementary

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



28.8823, 40.3261, 63.3882



25.0883, 13.2095, 1.2287

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.



44.6133, 40.3261, 20.4174



28.8823, 40.3261, 63.3882



51.5730, 40.3261, 43.8768

Square

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



28.8823, 40.3261, 63.3882



44.6344, 40.3261, 80.7209



49.6385, 40.3261, 28.8941



32.6469, 40.3261, 20.4363

Rectangle

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



28.8823, 40.3261, 63.3882



36.3000, 40.3261, 87.0141



49.6385, 40.3261, 28.8941



40.4317, 40.3261, 18.0776

Sweetspot

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



28.8836, 40.3276, 63.3892



70.4005, 84.4952, 107.2064



21.6706, 43.2173, 7.6024



14.5035, 17.7115, 22.9042



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.



28.8836, 40.3276, 63.3892



47.7576, 66.6353, 104.9525



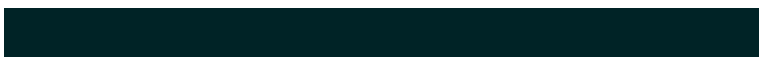
14.4245, 11.4095, 58.5695



11.4651, 12.5706, 14.3925



18.2101, 25.4442, 39.9077



0.9623, 1.3584, 2.0664

Inverse Universe

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



33.9800, 16.4695, 48.9664



56.2350, 27.2580, 80.8929



31.1041, 25.2410, 3.2339



11.6481, 11.3880, 13.9475



21.4025, 10.3716, 30.9021



1.1157, 0.5397, 1.6550

Previews

White Background



This preview shows how the XYZ color 28.8823, 40.3261, 63.3882 looks on a white background.

Color Contrast Check

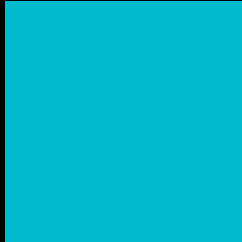
Large Text (above 18pt) WCAG AA × Fail

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 28.8823, 40.3261, 63.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

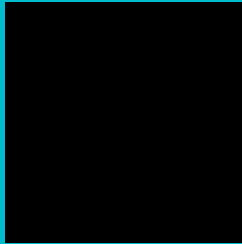
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

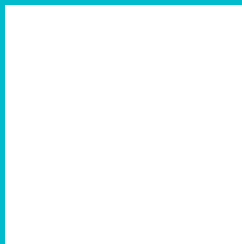
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8823, 40.3261, 63.3882

Background



This preview shows how black text looks on a background with the XYZ color 28.8823, 40.3261, 63.3882.

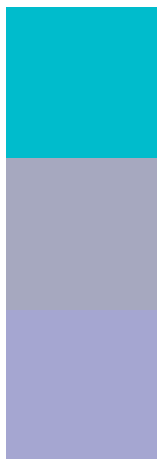


This preview shows how white text looks on a background with the XYZ color 28.8823, 40.3261,

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

28.8823, 40.3261, 63.3882

Protanopia

39.1325, 39.8738, 54.9241

Deuteranopia

40.6619, 39.8752, 65.8752



Tritanopia

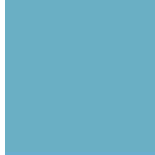
28.7627, 40.2782, 62.7584

Trichromacy



Original Color

28.8823, 40.3261, 63.3882



Protanomaly

31.2376, 37.7096, 57.8568



Deuteranomaly

32.2242, 37.7804, 64.6254



Tritanomaly

28.7627, 40.2782, 62.7584

Monochromacy



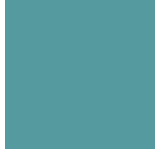
Original Color

28.8823, 40.3261, 63.3882



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.5599, 27.5457, 36.9814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8823, 40.3261, 63.3882 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, 188, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 204)  
}
```

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, 188, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 204) }
```

Border

The CSS property to change the border of an element to XYZ 28.8823, 40.3261, 63.3882 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, 188, 204) }
```


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

```
.border{ border-color:rgb(0, 188, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8823, 40.3261, 63.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 204) }
```

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

```
.background{ background-color: rgb(0, 188,  
204) }
```

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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