

Converting Colors

XYZ(32.2382, 48.2126, 56.4987)

Have a look what the booklet for
XYZ(32.2382, 48.2126, 56.4987)
contains.

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Color

**XYZ(32.2800, 48.3317,
56.3428)**

Conversions

Conversions Part 1

Format	Color
Hex	29CEBE
RGB	41, 206, 190
RGB Percent	16%, 81%, 75%
CMY	0.8392, 0.1921, 0.2549
CMYK	0.80, 0.00, 0.08, 0.19
HSL	174°, 67%, 48%
HSV	174°, 80%, 81%
XYZ	32.2800, 48.3317, 56.3428
YIQ	154.8410, -93.2040, -39.9560

Conversions

Conversions Part 2

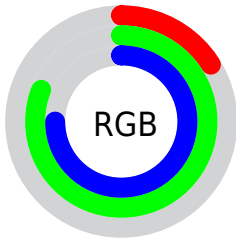
Format	Color
RYB	41, 128, 206
Decimal	2739902
CIELab	75.03, -43.54, -3.61
CIELCh	75, 43.689, 184.743
Yxy	48.3317, 0.2357, 0.3529
Android (android.graphics.Color)	4280929982 (0xFF29CEBE)
YUV	154.8410, 17.3334, -99.8386
Hunter-Lab	69.5210, -38.7806, 0.6135

Details

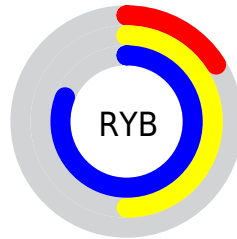
The XYZ color **32.2800, 48.3317, 56.3428** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **26.9867, 15.0045, 5.3465**, and the grayscale version is **31.0429, 32.6595, 35.5662**.

A 20% lighter version of the original color is **59.7307, 81.9557, 99.8597**, and **15.5820, 23.9394, 27.4664** is the 20% darker color. If you saturate the color by 10%, you get **31.4465, 47.9282, 55.1726**, and if you desaturate by 10%, it is **33.5488, 48.9615, 57.5511**.

Distribution



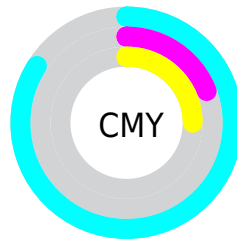
- Red (16%)
- Green (81%)
- Blue (75%)



- Red (16%)
- Yellow (50%)
- Blue (81%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (19%)





- Cyan (84%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2800, 48.3317, 56.3428 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 32.2800, 48.3317, 56.3428 by changing the saturation by 10% instead.


 32.2800, 48.3317,
56.3428


 32.2800, 48.3317,
56.3428


304.1154,
380.1054, 428.4067


 21.7320, 34.0896,
40.0720


 62.6120, 87.6981,
100.9964

 13.7756, 22.9625,
27.2805


 83.1268, 113.5912,
130.2163

 8.0454, 14.5658,
17.5497


 107.6945,
144.1367, 164.5896

 4.1761, 8.5152,
10.4611

 136.6806,
179.7192, 204.5349

 1.8022, 4.4264,
5.5961

 170.4504,
220.7228, 250.4707

 0.5190, 1.9148,
2.5363

209.3692,

 0.0000, 0.5573,

267.5322, 302.8156

0.8593

253.8025,
320.5316, 361.9880

■ 0.0000, 0.0000,
0.0000

■ 32.2800, 48.3317,
56.3428

■ 32.2800, 48.3317,
56.3428

■ 31.4465, 47.9282,
55.1726

■ 33.5488, 48.9615,
57.5511

■ 30.9375, 47.6903,
54.0423

■ 35.3076, 49.8424,
58.7970

■ 37.6074, 51.0019,
60.0839

■ 40.4919, 52.4625,
61.4141

■ 44.0003, 54.2443,
62.7892

■ 48.1683, 56.3658,
64.2112

■ 53.0289, 58.8441,
65.6816

■ 58.6129, 61.6949,
67.2019

■ 64.9494, 64.9332,
68.7735

Harmonies

Analogous

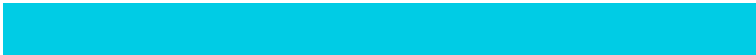
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4109, 48.3317, 36.0132



32.2800, 48.3317, 56.3428



34.4475, 48.3317, 81.8520

Triad

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



32.2800, 48.3317, 56.3428



55.2491, 48.3317, 97.6249



52.8010, 48.3317, 22.0466

Complementary

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



32.2800, 48.3317, 56.3428



26.9867, 15.0045, 5.3465

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.



59.7354, 48.3317, 31.3436



32.2800, 48.3317, 56.3428



61.2597, 48.3317, 73.6908

Square

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



32.2800, 48.3317, 56.3428



47.2183, 48.3317, 109.6919



62.9893, 48.3317, 49.0745



44.6808, 48.3317, 19.8556

Rectangle

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



32.2800, 48.3317, 56.3428



37.6374, 48.3317, 97.2836



62.9893, 48.3317, 49.0745



55.3768, 48.3317, 24.2791

Sweetspot

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



32.2814, 48.3335, 56.3440



75.0658, 89.8065, 103.0533



24.1891, 45.1892, 9.5464



15.5545, 18.9614, 21.8804



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.



32.2814, 48.3335, 56.3440



50.3480, 77.3699, 88.0729



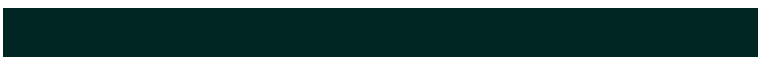
21.4349, 23.6862, 61.8366



11.4945, 12.7076, 14.1617



19.0697, 29.3732, 33.3816



0.9977, 1.5209, 1.7955

Inverse Universe

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



26.9867, 15.0045, 5.3465



41.6386, 21.5966, 3.4829



31.1135, 23.7996, 5.0528



11.2558, 11.2310, 11.8816



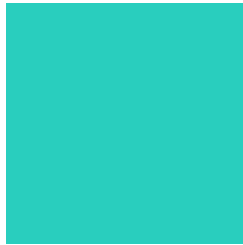
15.7676, 8.1176, 1.2290



0.8289, 0.4250, 0.1449

Previews

White Background



This preview shows how the XYZ color 32.2800, 48.3317, 56.3428 looks on a white background.

Color Contrast Check

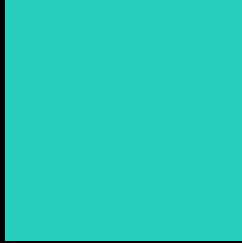
Large Text (above 18pt) WCAG AA × Fail

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 32.2800, 48.3317, 56.3428 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

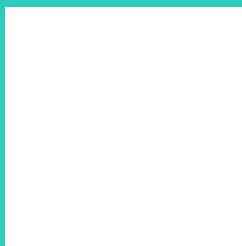
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2800, 48.3317, 56.3428

Background



This preview shows how black text looks on a background with the XYZ color 32.2800, 48.3317, 56.3428.

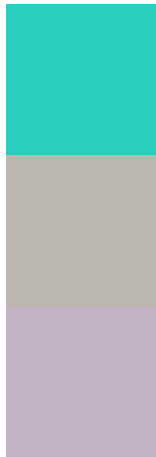


This preview shows how white text looks on a background with the XYZ color 32.2800, 48.3317,

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

32.2800, 48.3317, 56.3428

Protanopia

45.3035, 47.2819, 47.8129

Deuteranopia

48.3899, 47.4284, 58.8287



Tritanopia

35.7620, 48.3271, 73.7729

Trichromacy



Original Color

32.2800, 48.3317, 56.3428



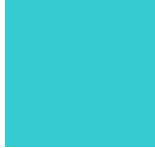
Protanomaly

36.9630, 45.7487, 50.5983



Deuteranomaly

38.3683, 45.3504, 57.7702



Tritanomaly

34.2624, 48.0502, 67.1433

Monochromacy



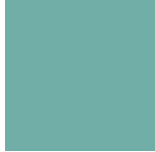
Original Color

32.2800, 48.3317, 56.3428



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.1434, 36.6767, 42.5891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2800, 48.3317, 56.3428 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(41, 206, 190)` looks like.

```
.text, #text, p{  
    color:rgb(41, 206, 190)  
}
```

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(41, 206, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 206, 190) }
```

Border

The CSS property to change the border of an element to XYZ 32.2800, 48.3317, 56.3428 is called "border". The border property can be set on classes, ids or directly on the HTML element.

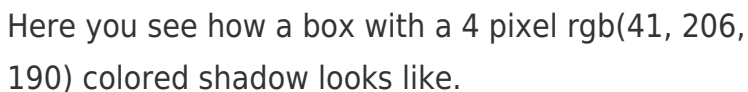
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(41, 206, 190) }
```


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

```
.border{ border-color:rgb(41, 206, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(41, 206, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(41, 206, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(41, 206, 190); box-shadow:4px 4px 4px 4px rgb(41, 206, 190) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2800, 48.3317, 56.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 206, 190) }
```

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

```
.background{ background-color: rgb(41, 206,  
190) }
```

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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