

Converting Colors

XYZ(30.3212, 43.2040, 63.8678)

Have a look what the booklet for
XYZ(30.3212, 43.2040, 63.8678)
contains.

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Color

**XYZ(30.4142, 43.3898,
63.8988)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3CC
RGB	0, 195, 204
RGB Percent	0%, 76%, 80%
CMY	0.9998, 0.2353, 0.2000
CMYK	1.00, 0.04, 0.00, 0.20
HSL	183°, 100%, 40%
HSV	183°, 100%, 80%
XYZ	30.4142, 43.3898, 63.8988
YIQ	137.7210, -119.1090, -38.5410

Conversions

Conversions Part 2

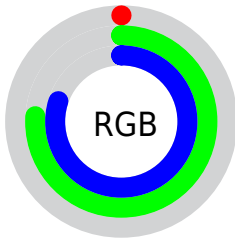
Format	Color
RYB	0, 100, 204
Decimal	50124
CIELab	71.82, -36.54, -16.03
CIELCh	72, 39.900, 203.694
Yxy	43.3898, 0.2209, 0.3151
Android (android.graphics.Color)	4278240204 (0xFF00C3CC)
YUV	137.7210, 32.6755, -120.7813
Hunter-Lab	65.8709, -32.8564, -11.4052

Details

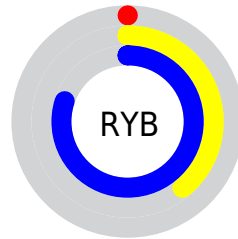
The XYZ color **30.4142, 43.3898, 63.8988** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.0007, 13.0341, 1.1996**, and the grayscale version is **23.9694, 25.2177, 27.4621**.

A 20% lighter version of the original color is **58.6861, 79.8441, 106.9261**, and **15.0299, 21.2518, 32.1640** is the 20% darker color. If you saturate the color by 10%, you get **30.4144, 43.3901, 63.8997**, and if you desaturate by 10%, it is **30.9150, 43.9491, 63.9812**.

Distribution



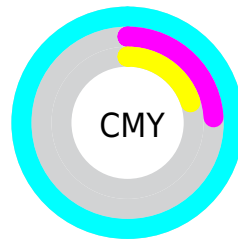
- Red (0%)
- Green (76%)
- Blue (80%)



- Red (0%)
- Yellow (39%)
- Blue (80%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)




- Cyan (100%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4142, 43.3898, 63.8988 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 30.4142, 43.3898, 63.8988 by changing the saturation by 10% instead.


 30.4142, 43.3898,
63.8988


 30.4142, 43.3898,
63.8988


295.7057,
360.2124, 457.0215


 20.3028, 30.1911,
46.1231


 59.6987, 80.2988,
112.0632


 12.7249, 19.9837,
31.9936

 79.6026, 104.7778,
143.2890

 7.3151, 12.3832,
21.0918


 103.5014,
133.7857, 179.8352

 3.7080, 7.0052,
12.9992

 131.7603,
167.7069, 222.1204

 1.5383, 3.4654,
7.2973

 164.7449,
206.9257, 270.5631

 0.3517, 1.3792,
3.5675

202.8204,

 0.0000, 0.2013,

251.8267, 325.5818

1.3912

246.3522,
302.7941, 387.5951

■ 0.0000, 0.0000,
0.1348

■ 0.0000, 0.0000,
0.0000

■ 30.4142, 43.3898,
63.8988

■ 30.4142, 43.3898,
63.8988

■ 30.4144, 43.3901,
63.8997

■ 30.9150, 43.9491,
63.9812

■ 31.7292, 44.6710,
64.0776

■ 32.9654, 45.6122,
64.1941

■ 34.6808, 46.8023,
64.3334

■ 36.9238, 48.2662,
64.4978

■ 39.7370, 50.0258,
64.6891

■ 43.1585, 52.1008,
64.9093

■ 47.2232, 54.5093,
65.1600

■ 51.9633, 57.2677,
65.4426

Harmonies

Analogous

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



29.5888, 43.3898, 43.2594



30.4142, 43.3898, 63.8988



33.9908, 43.3898, 84.1875

Triad

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



30.4142, 43.3898, 63.8988



52.6684, 43.3898, 72.9888



42.6898, 43.3898, 18.9951

Complementary

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



30.4142, 43.3898, 63.8988



25.0007, 13.0341, 1.1996

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.



49.4545, 43.3898, 23.0846



30.4142, 43.3898, 63.8988



55.6088, 43.3898, 51.4664

Square

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



30.4142, 43.3898, 63.8988



46.7066, 43.3898, 90.3624



54.3726, 43.3898, 33.7683



36.2188, 43.3898, 20.6320

Rectangle

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



30.4142, 43.3898, 63.8988



37.6864, 43.3898, 92.9226



54.3726, 43.3898, 33.7683



45.0117, 43.3898, 19.6990

Sweetspot

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



30.4155, 43.3914, 63.8999



71.2177, 86.1295, 107.4788



21.6313, 43.2017, 7.3953



14.7023, 18.1091, 22.9705



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.



30.4155, 43.3914, 63.8999



50.3252, 71.7704, 105.8084



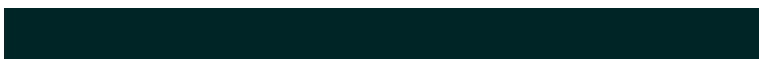
15.0126, 12.5854, 58.7655



11.4992, 12.6389, 14.4038



19.1615, 27.3470, 40.2249



1.0019, 1.4376, 2.0796

Inverse Universe

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



34.7534, 16.7789, 53.0382



57.5310, 27.7764, 87.7174



30.3523, 23.7374, 2.9835



11.6653, 11.3949, 14.0383



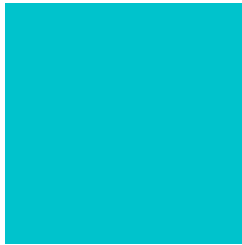
21.8828, 10.5637, 33.4309



1.1357, 0.5477, 1.7603

Previews

White Background



This preview shows how the XYZ color 30.4142, 43.3898, 63.8988 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 30.4142, 43.3898, 63.8988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

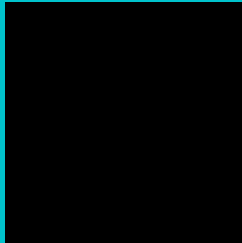
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

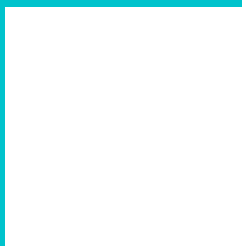
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4142, 43.3898, 63.8988

Background



This preview shows how black text looks on a background with the XYZ color 30.4142, 43.3898, 63.8988.



This preview shows how white text looks on a background with the XYZ color 30.4142, 43.3898,

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

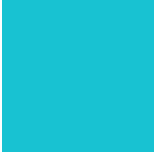
30.4142, 43.3898, 63.8988

Protanopia

41.6639, 42.8740, 54.7948

Deuteranopia

43.7507, 42.8432, 66.2853



Tritanopia

31.3013, 43.4309, 67.7060

Trichromacy



Original Color

30.4142, 43.3898, 63.8988



Protanomaly

33.0087, 40.7110, 57.7480



Deuteranomaly

34.1393, 40.5270, 65.0546



Tritanomaly

30.8740, 43.2392, 66.3933

Monochromacy



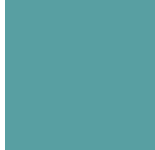
Original Color

30.4142, 43.3898, 63.8988



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.9442, 29.4796, 38.6633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4142, 43.3898, 63.8988 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, 195, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 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, 195, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 204) }
```

Border

The CSS property to change the border of an element to XYZ 30.4142, 43.3898, 63.8988 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, 195, 204) }
```


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

```
.border{ border-color:rgb(0, 195, 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, 195, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4142, 43.3898, 63.8988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 204) }
```

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

```
.background{ background-color: rgb(0, 195,  
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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