

Converting Colors

XYZ(26.2347, 41.2567, 68.4319)

Have a look what the booklet for
XYZ(26.2347, 41.2567, 68.4319)
contains.

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Color

**XYZ(31.2730, 43.7334,
68.4211)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3D3
RGB	0, 195, 211
RGB Percent	0%, 76%, 83%
CMY	0.9998, 0.2353, 0.1725
CMYK	1.00, 0.08, 0.00, 0.17
HSL	185°, 100%, 41%
HSV	185°, 100%, 83%
XYZ	31.2730, 43.7334, 68.4211
YIQ	138.5190, -121.3560, -36.3640

Conversions

Conversions Part 2

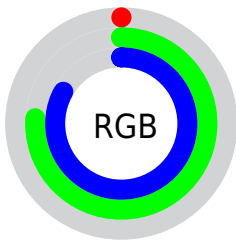
Format	Color
RYB	0, 101, 211
Decimal	50131
CIELab	72.05, -34.34, -19.50
CIElCh	72, 39.492, 209.582
Yxy	43.7334, 0.2180, 0.3049
Android (android.graphics.Color)	4278240211 (0xFF00C3D3)
YUV	138.5190, 35.7331, -121.4812
Hunter-Lab	66.1312, -31.3183, -15.0511

Details

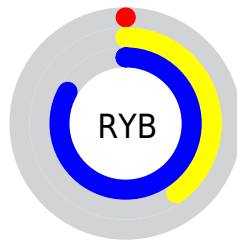
The XYZ color **31.2730, 43.7334, 68.4211** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.0506, 14.2212, 1.3207**, and the grayscale version is **24.2629, 25.5265, 27.7983**.

A 20% lighter version of the original color is **58.8043, 79.9050, 106.9316**, and **15.5256, 21.4501, 34.7745** is the 20% darker color. If you saturate the color by 10%, you get **31.2729, 43.7329, 68.4219**, and if you desaturate by 10%, it is **31.9467, 44.6167, 68.5569**.

Distribution



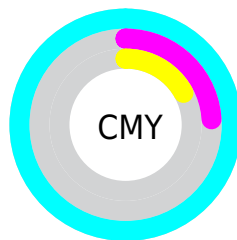
- Red (0%)
- Green (76%)
- Blue (83%)



- Red (0%)
- Yellow (40%)
- Blue (83%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2730, 43.7334, 68.4211 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 31.2730, 43.7334, 68.4211 by changing the saturation by 10% instead.

■ 31.2730, 43.7334,
68.4211

■ 31.2730, 43.7334,
68.4211

■ 299.5985,
361.6192, 473.6251

■ 20.9597, 30.4610,
49.7716

■ 61.0425, 80.8164,
118.6143

■ 13.2068, 20.1887,
34.8620

■ 81.2295, 105.3958,
150.9950

■ 7.6491, 12.5323,
23.2739

■ 105.4383,
134.5130, 188.7898

■ 3.9211, 7.1073,
14.5887

■ 134.0344,
168.5523, 232.4173

■ 1.6576, 3.5293,
8.3878

■ 167.3831,
207.8982, 282.2961

■ 0.4295, 1.4139,
4.2528

205.8498,

■ 0.0000, 0.2269,

252.9351, 338.8446

1.7650

249.7998,
304.0473, 402.4814

■ 0.0000, 0.0000,
0.4047

■ 0.0000, 0.0000,
0.0000

■ 31.2730, 43.7334,
68.4211

■ 31.2730, 43.7334,
68.4211

■ 31.2729, 43.7329,
68.4219

■ 31.9467, 44.6167,
68.5569

■ 32.9637, 45.6819,
68.7089

■ 34.4392, 46.9891,
68.8835

■ 36.4356, 48.5707,
69.0835

■ 39.0056, 50.4537,
69.3115

■ 42.1953, 52.6620,
69.5697

■ 46.0464, 55.2170,
69.8599

■ 50.5967, 58.1384,
70.1839

■ 55.8811, 61.4440,
70.5434

Harmonies

Analogous

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



29.8949, 43.7334, 47.3476



31.2730, 43.7334, 68.4211



35.3375, 43.7334, 87.3924

Triad

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



31.2730, 43.7334, 68.4211



53.7914, 43.7334, 69.0209



41.6620, 43.7334, 19.2855

Complementary

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



31.2730, 43.7334, 68.4211



27.0506, 14.2212, 1.3207

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.



48.4894, 43.7334, 22.2227



31.2730, 43.7334, 68.4211



55.9400, 43.7334, 47.8899

Square

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



31.2730, 43.7334, 68.4211



48.3079, 43.7334, 87.7995



53.9039, 43.7334, 31.5275



35.4848, 43.7334, 22.0599

Rectangle

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



31.2730, 43.7334, 68.4211



39.2647, 43.7334, 94.3171



53.9039, 43.7334, 31.5275



43.9582, 43.7334, 19.6222

Sweetspot

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



31.2744, 43.7350, 68.4222



70.4620, 84.6182, 107.2269



23.3752, 46.6215, 8.1864



14.5185, 17.7414, 22.9092



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.



31.2744, 43.7350, 68.4222



47.9479, 67.0158, 105.0160



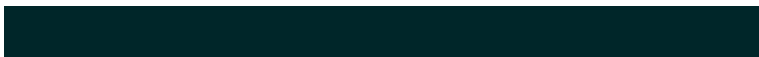
15.5394, 12.2651, 63.1772



12.0785, 13.2472, 15.1640



18.9067, 26.4599, 41.3033



1.0805, 1.5262, 2.3172

Inverse Universe

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



36.7155, 17.7904, 53.1302



56.3311, 27.2964, 81.3985



33.5318, 27.1835, 3.4811



12.2705, 11.9929, 14.7002



22.1739, 10.7424, 32.1518



1.2516, 0.6054, 1.8598

Previews

White Background



This preview shows how the XYZ color 31.2730, 43.7334, 68.4211 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 31.2730, 43.7334, 68.4211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

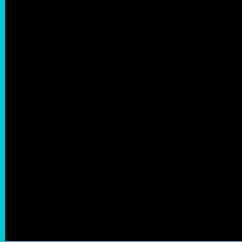
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

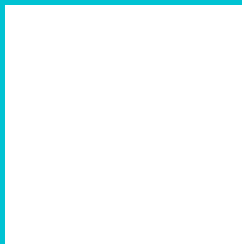
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2730, 43.7334, 68.4211

Background



This preview shows how black text looks on a background with the XYZ color 31.2730, 43.7334, 68.4211.

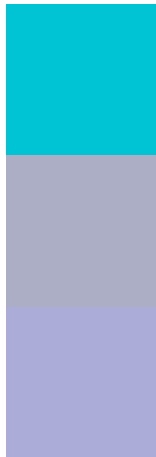


This preview shows how white text looks on a background with the XYZ color 31.2730, 43.7334,

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

31.2730, 43.7334, 68.4211

Protanopia

42.2274, 43.0740, 58.9118

Deuteranopia

44.1605, 43.2336, 70.9832



Tritanopia

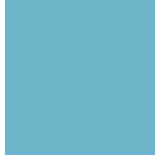
31.2730, 43.7334, 68.4211

Trichromacy



Original Color

31.2730, 43.7334, 68.4211



Protanomaly

33.6953, 40.9714, 62.0095



Deuteranomaly

34.7655, 40.7488, 69.6513



Tritanomaly

31.2730, 43.7334, 68.4211

Monochromacy



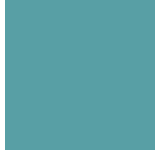
Original Color

31.2730, 43.7334, 68.4211



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.2142, 29.5876, 40.0848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2730, 43.7334, 68.4211 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 211) }
```

Border

The CSS property to change the border of an element to XYZ 31.2730, 43.7334, 68.4211 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, 211) }
```


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

```
.border{ border-color:rgb(0, 195, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2730, 43.7334, 68.4211 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, 211) }
```

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

```
.background{ background-color: rgb(0, 195,  
211) }
```

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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