

Converting Colors

XYZ(33.7186, 46.9160, 74.5036)

Have a look what the booklet for
XYZ(33.7186, 46.9160, 74.5036)
contains.

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Color

**XYZ(33.6728, 46.8878,
74.2933)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9DB
RGB	0, 201, 219
RGB Percent	0%, 79%, 86%
CMY	0.9998, 0.2118, 0.1412
CMYK	1.00, 0.08, 0.00, 0.14
HSL	185°, 100%, 43%
HSV	185°, 100%, 86%
XYZ	33.6728, 46.8878, 74.2933
YIQ	142.9530, -125.5740, -37.0140

Conversions

Conversions Part 2

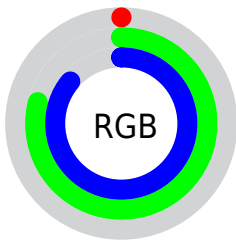
Format	Color
RYB	0, 105, 219
Decimal	51675
CIELab	74.12, -34.65, -20.70
CIELCh	74, 40.357, 210.854
Yxy	46.8878, 0.2174, 0.3028
Android (android.graphics.Color)	4278241755 (0xFF00C9DB)
YUV	142.9530, 37.4912, -125.3698
Hunter-Lab	68.4747, -32.0523, -16.3959

Details

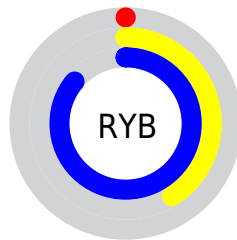
The XYZ color **33.6728, 46.8878, 74.2933** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.4311, 15.4945, 1.4410**, and the grayscale version is **25.9872, 27.3406, 29.7739**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **16.9797, 23.2381, 38.7124** is the 20% darker color. If you saturate the color by 10%, you get **33.6727, 46.8873, 74.2941**, and if you desaturate by 10%, it is **34.4256, 47.9035, 74.4506**.

Distribution



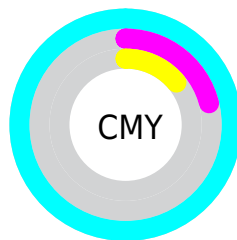
- Red (0%)
- Green (79%)
- Blue (86%)



- Red (0%)
- Yellow (41%)
- Blue (86%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6728, 46.8878, 74.2933 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 33.6728, 46.8878, 74.2933 by changing the saturation by 10% instead.

33.6728, 46.8878,
74.2933

33.6728, 46.8878,
74.2933

310.2823,
374.3665, 494.6755

22.8040, 32.9470,
54.5359

64.7722, 85.5461,
127.0494

14.5688, 22.0858,
38.6342

85.7336, 111.0324,
160.8851

8.6016, 13.9200,
26.1696

110.7898,
141.1359, 200.2507

4.5373, 8.0650,
16.7237

140.3064,
176.2411, 245.5647

2.0104, 4.1366,
9.8778

174.6485,
216.7324, 297.2456

0.6398, 1.7503,
5.2135

214.1816,

0.0000, 0.4559,

262.9941, 355.7121

2.3121

259.2711,
315.4107, 421.3825

■ 0.0000, 0.0000,
0.7380

■ 0.0000, 0.0000,
0.0000

■ 33.6728, 46.8878,
74.2933

■ 33.6728, 46.8878,
74.2933

■ 33.6727, 46.8873,
74.2941

■ 34.4256, 47.9035,
74.4506

■ 35.5552, 49.1198,
74.6258

■ 37.1849, 50.6013,
74.8259

■ 39.3834, 52.3834,
75.0540

■ 42.2086, 54.4960,
75.3128

■ 45.7110, 56.9651,
75.6048

■ 49.9361, 59.8142,
75.9321

■ 54.9255, 63.0649,
76.2965

■ 60.7176, 66.7367,
76.7000

Harmonies

Analogous

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



32.0694, 46.8878, 51.6483



33.6728, 46.8878, 74.2933



38.1369, 46.8878, 94.2749

Triad

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



33.6728, 46.8878, 74.2933



57.8313, 46.8878, 72.9819



44.3587, 46.8878, 20.7122

Complementary

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



33.6728, 46.8878, 74.2933



29.4311, 15.4945, 1.4410

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.



51.6786, 46.8878, 23.5944



33.6728, 46.8878, 74.2933



59.9472, 46.8878, 50.4620

Square

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



33.6728, 46.8878, 74.2933



52.0756, 46.8878, 93.3850



57.5852, 46.8878, 33.2478



37.8145, 46.8878, 23.9507

Rectangle

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



33.6728, 46.8878, 74.2933



42.3939, 46.8878, 101.2609



57.5852, 46.8878, 33.2478



46.8099, 46.8878, 20.9881

Sweetspot

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



33.6743, 46.8895, 74.2944



70.3116, 84.3174, 107.1768



25.4162, 50.6975, 8.8849



14.4819, 17.6683, 22.8970



0.0000, 0.0000, 0.0000



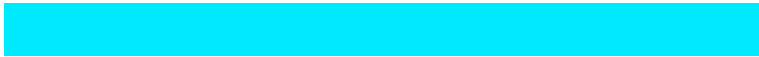
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6743, 46.8895, 74.2944



47.4837, 66.0875, 104.8612



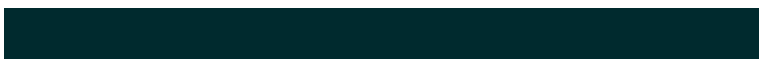
16.8728, 13.2864, 68.6939



13.3486, 14.6368, 16.7738



20.0049, 27.8792, 44.0653



1.3236, 1.8614, 2.8640

Inverse Universe

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



39.7573, 19.2785, 56.8858



56.0968, 27.2027, 80.1648



36.4370, 29.5063, 3.7763



13.5658, 13.2554, 16.2407



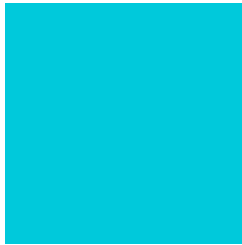
23.5929, 11.4382, 33.8317



1.5424, 0.7466, 2.2652

Previews

White Background



This preview shows how the XYZ color 33.6728, 46.8878, 74.2933 looks on a white background.

Color Contrast Check

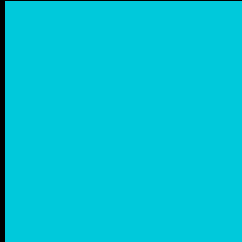
Large Text (above 18pt) WCAG AA × Fail

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 33.6728, 46.8878, 74.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

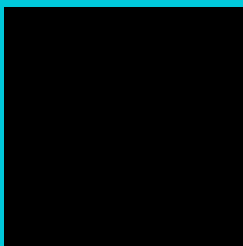
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

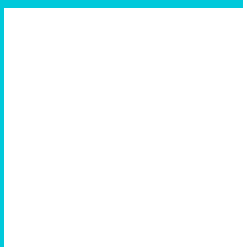
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6728, 46.8878, 74.2933

Background



This preview shows how black text looks on a background with the XYZ color 33.6728, 46.8878, 74.2933.

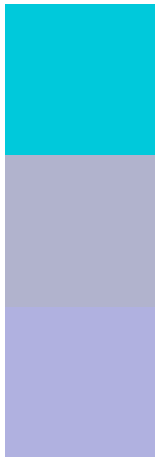


This preview shows how white text looks on a background with the XYZ color 33.6728, 46.8878,

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

33.6728, 46.8878, 74.2933

Protanopia

45.2710, 45.9951, 64.2495

Deuteranopia

47.0812, 46.0562, 76.9293



Tritanopia

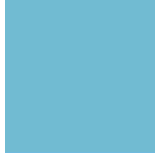
33.5415, 46.8352, 73.6019

Trichromacy



Original Color

33.6728, 46.8878, 74.2933



Protanomaly

36.2132, 43.7045, 67.4999



Deuteranomaly

37.4258, 43.8365, 75.5960



Tritanomaly

33.5415, 46.8352, 73.6019

Monochromacy



Original Color

33.6728, 46.8878, 74.2933



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.9405, 31.7153, 43.3352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6728, 46.8878, 74.2933 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, 201, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 219)  
}
```

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, 201, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 219) }
```

Border

The CSS property to change the border of an element to XYZ 33.6728, 46.8878, 74.2933 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, 201, 219) }
```


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

```
.border{ border-color:rgb(0, 201, 219) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6728, 46.8878, 74.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 219) }
```

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

```
.background{ background-color: rgb(0, 201,  
219) }
```

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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