

Converting Colors

XYZ(33.8563, 48.2781, 71.1224)

Have a look what the booklet for
XYZ(33.8563, 48.2781, 71.1224)
contains.

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Color

**XYZ(33.7430, 48.0472,
71.1139)**

Conversions

Conversions Part 1

Format	Color
Hex	01CCD6
RGB	1, 204, 214
RGB Percent	0%, 80%, 84%
CMY	0.9959, 0.2000, 0.1608
CMYK	1.00, 0.05, 0.00, 0.16
HSL	183°, 99%, 42%
HSV	183°, 100%, 84%
XYZ	33.7430, 48.0472, 71.1139
YIQ	144.4430, -124.1980, -39.9260

Conversions

Conversions Part 2

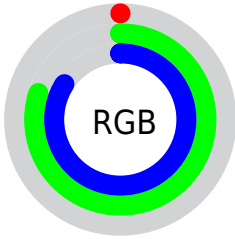
Format	Color
R _{YB}	1, 105, 214
Decimal	117974
CIE Lab	74.85, -37.58, -16.88
CIE LCh	75, 41.192, 204.189
Yxy	48.0472, 0.2207, 0.3142
Android (android.graphics.Color)	4278308054 (0xFF01CCD6)
YUV	144.4430, 34.2916, -125.7995
Hunter-Lab	69.3161, -34.4095, -12.3065

Details

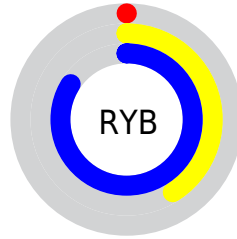
The XYZ color **33.7430, 48.0472, 71.1139** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.8580, 14.5392, 1.3684**, and the grayscale version is **26.5969, 27.9820, 30.4724**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.0055, 23.9981, 36.5367** is the 20% darker color. If you saturate the color by 10%, you get **33.7195, 48.0186, 71.1105**, and if you desaturate by 10%, it is **34.3119, 48.6972, 71.2103**.

Distribution



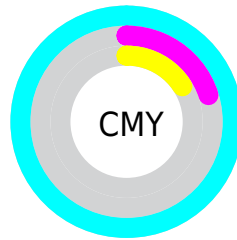
- Red (0%)
- Green (80%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7430, 48.0472, 71.1139 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 33.7430, 48.0472, 71.1139 by changing the saturation by 10% instead.

33.7430, 48.0472,
71.1139

33.7430, 48.0472,
71.1139

310.5907,
378.9792, 483.3459

22.8582, 33.8643,
51.9527

64.8808, 87.2747,
122.4919

14.6089, 22.7893,
36.5854

85.8644, 113.0880,
155.5458

8.6299, 14.4380,
24.5934

110.9451,
143.5469, 194.0676

4.5558, 8.4260,
15.5581

140.4881,
179.0358, 238.4761

2.0211, 4.3687,
9.0611

174.8588,
219.9391, 289.1895

0.6458, 1.8819,
4.6837

214.4226,

0.0000, 0.5374,

266.6412, 346.6267

2.0074

259.5447,
319.5264, 411.2059

■ 0.0000, 0.0000,
0.5598

■ 0.0000, 0.0000,
0.0000

■ 33.7430, 48.0472,
71.1139

■ 33.7430, 48.0472,
71.1139

■ 33.7195, 48.0186,
71.1105

■ 34.3119, 48.6972,
71.2103

■ 35.2446, 49.5360,
71.3230

■ 36.6517, 50.6216,
71.4584

■ 38.5974, 51.9873,
71.6195

■ 41.1359, 53.6608,
71.8087

■ 44.3148, 55.6668,
72.0283

■ 48.1768, 58.0273,
72.2804

■ 52.7611, 60.7623,
72.5667

■ 58.1036, 63.8907,
72.8890

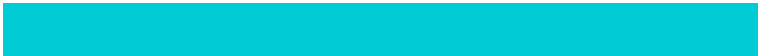
Harmonies

Analogous

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



32.7787, 48.0472, 48.2472



33.7430, 48.0472, 71.1139



37.7439, 48.0472, 93.4290

Triad

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



33.7430, 48.0472, 71.1139



58.3791, 48.0472, 80.3694



47.1420, 48.0472, 21.0610

Complementary

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



33.7430, 48.0472, 71.1139



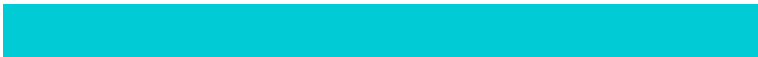
27.8580, 14.5392, 1.3684

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.



54.6288, 48.0472, 25.4762



33.7430, 48.0472, 71.1139



61.5567, 48.0472, 56.6058

Square

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



33.7430, 48.0472, 71.1139



51.8304, 48.0472, 99.7154



60.1144, 48.0472, 37.1609



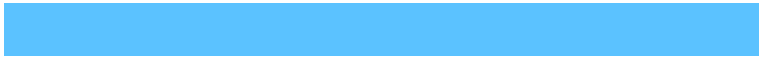
40.0134, 48.0472, 22.9764

Rectangle

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



33.7430, 48.0472, 71.1139



41.8526, 48.0472, 102.9196



60.1144, 48.0472, 37.1609



49.7073, 48.0472, 21.8053

Sweetspot

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



33.7445, 48.0490, 71.1151



71.1498, 85.9938, 107.4562



24.1048, 48.1185, 8.2515



14.6858, 18.0760, 22.9649



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.



33.7445, 48.0490, 71.1151



50.1086, 71.3373, 105.7362



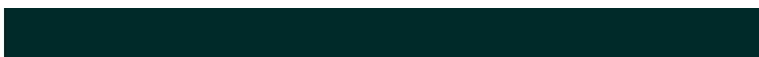
16.7495, 14.0589, 65.4501



12.7399, 14.0032, 15.9689



20.4031, 29.0679, 42.9885



1.2464, 1.7847, 2.5981

Inverse Universe

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



38.6428, 18.6790, 58.6972



57.4217, 27.7327, 87.1418



33.8259, 26.4751, 3.3577



12.9267, 12.6222, 15.5541



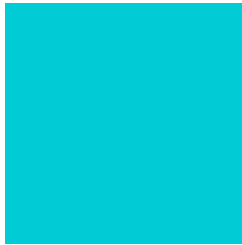
23.3574, 11.2793, 35.5156



1.4168, 0.6835, 2.1840

Previews

White Background



This preview shows how the XYZ color 33.7430, 48.0472, 71.1139 looks on a white background.

Color Contrast Check

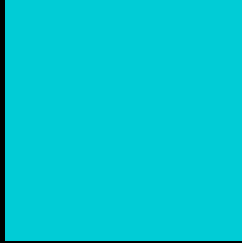
Large Text (above 18pt) WCAG AA × Fail

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 33.7430, 48.0472, 71.1139 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

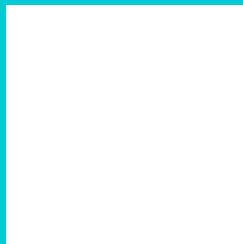
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7430, 48.0472, 71.1139

Background



This preview shows how black text looks on a background with the XYZ color 33.7430, 48.0472, 71.1139.

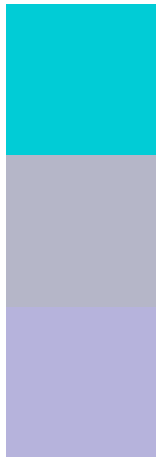


This preview shows how white text looks on a background with the XYZ color 33.7430, 48.0472,

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

33.7430, 48.0472, 71.1139

Protanopia

46.2093, 47.4498, 61.3668

Deuteranopia

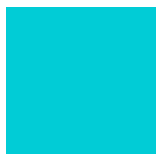
48.3298, 47.3526, 74.3029



Tritanopia

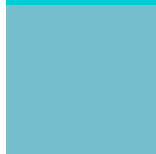
34.6751, 48.0859, 75.1641

Trichromacy



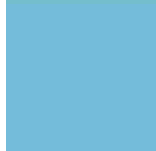
Original Color

33.7430, 48.0472, 71.1139



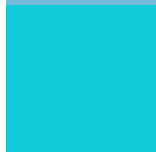
Protanomaly

36.6354, 44.9477, 64.5025



Deuteranomaly

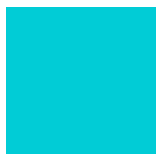
37.8406, 44.7414, 72.9712



Tritanomaly

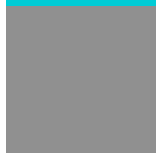
34.2245, 47.8840, 73.7684

Monochromacy



Original Color

33.7430, 48.0472, 71.1139



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.2113, 32.4123, 42.4635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7430, 48.0472, 71.1139 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(1, 204, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 214)  
}
```

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(1, 204, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 214) }
```

Border

The CSS property to change the border of an element to XYZ 33.7430, 48.0472, 71.1139 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(1, 204, 214) }
```


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

```
.border{ border-color:rgb(1, 204, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7430, 48.0472, 71.1139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 214) }
```

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

```
.background{ background-color: rgb(1, 204,  
214) }
```

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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