

Converting Colors

XYZ(14.6555, 34.4829, 70.4622)

Have a look what the booklet for
XYZ(14.6555, 34.4829, 70.4622)
contains.

XYZ(31.3357, 43.0462, 70.9472)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.3357, 43.0462,
70.9472)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1D7
RGB	0, 193, 215
RGB Percent	0%, 76%, 84%
CMY	0.9998, 0.2431, 0.1569
CMYK	1.00, 0.10, 0.00, 0.16
HSL	186°, 100%, 42%
HSV	186°, 100%, 84%
XYZ	31.3357, 43.0462, 70.9472
YIQ	137.8010, -122.0900, -34.0740

Conversions

Conversions Part 2

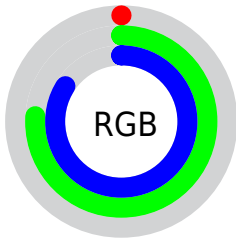
Format	Color
RYB	0, 102, 215
Decimal	49623
CIELab	71.59, -32.12, -22.38
CIELCh	72, 39.143, 214.869
Yxy	43.0462, 0.2156, 0.2962
Android (android.graphics.Color)	4278239703 (0xFF00C1D7)
YUV	137.8010, 38.0591, -120.8515
Hunter-Lab	65.6096, -29.5637, -18.1868

Details

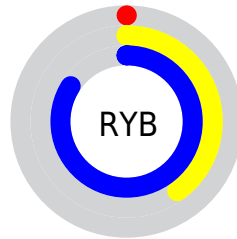
The XYZ color **31.3357, 43.0462, 70.9472** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.3129, 15.0231, 1.4090**, and the grayscale version is **23.9810, 25.2299, 27.4754**.

A 20% lighter version of the original color is **58.1795, 78.6554, 106.7234**, and **15.5778, 21.0033, 36.4907** is the 20% darker color. If you saturate the color by 10%, you get **31.3353, 43.0451, 70.9478**, and if you desaturate by 10%, it is **32.1476, 44.1931, 71.1266**.

Distribution



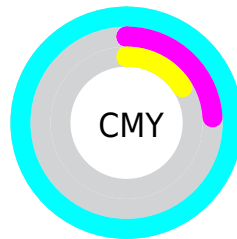
- Red (0%)
- Green (76%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3357, 43.0462, 70.9472 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 31.3357, 43.0462, 70.9472 by changing the saturation by 10% instead.

31.3357, 43.0462,
70.9472

31.3357, 43.0462,
70.9472

299.8813,
358.8017, 482.7475

21.0077, 29.9214,
51.8175

61.1405, 79.7806,
122.2523

13.2421, 19.7789,
36.4784

81.3479, 104.1589,
155.2648

7.6736, 12.2344,
24.5113

105.5793,
133.0572, 193.7420

3.9369, 6.9035,
15.4976

134.1998,
166.8598, 238.1025

1.6665, 3.4019,
9.0189

167.5749,
205.9512, 288.7647

0.4351, 1.3450,
4.6565

206.0700,

0.0000, 0.1756,

250.7157, 346.1473

1.9920

250.0503,
301.5378, 410.6687

■ 0.0000, 0.0000,
0.5503

■ 0.0000, 0.0000,
0.0000

■ 31.3357, 43.0462,
70.9472

■ 31.3357, 43.0462,
70.9472

■ 31.3353, 43.0451,
70.9478

■ 32.1476, 44.1931,
71.1266

■ 33.3223, 45.5370,
71.3241

■ 34.9790, 47.1402,
71.5462

■ 37.1831, 49.0365,
71.7961

■ 39.9899, 51.2544,
72.0762

■ 43.4479, 53.8190,
72.3890

■ 47.6004, 56.7527,
72.7364

■ 52.4872, 60.0759,
73.1203

■ 58.1450, 63.8077,
73.5424

Harmonies

Analogous

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



29.4986, 43.0462, 50.0320



31.3357, 43.0462, 70.9472



35.7439, 43.0462, 88.2162

Triad

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



31.3357, 43.0462, 70.9472



53.5511, 43.0462, 64.1153



39.8434, 43.0462, 19.1262

Complementary

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



31.3357, 43.0462, 70.9472



28.3129, 15.0231, 1.4090

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.



46.5604, 43.0462, 21.0107



31.3357, 43.0462, 70.9472



54.9496, 43.0462, 43.8441

Square

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



31.3357, 43.0462, 70.9472



48.6295, 43.0462, 83.5840



52.2690, 43.0462, 28.9684



34.0612, 43.0462, 22.8752

Rectangle

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



31.3357, 43.0462, 70.9472



39.7865, 43.0462, 93.3495



52.2690, 43.0462, 28.9684



42.0629, 43.0462, 19.1342

Sweetspot

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



31.3371, 43.0477, 70.9483



69.8380, 83.3702, 107.0189



24.4419, 48.6581, 8.8401



14.3669, 17.4383, 22.8587



0.0000, 0.0000, 0.0000



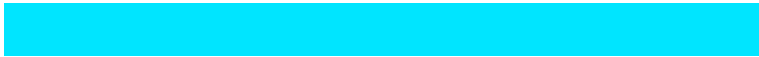
20.3446, 21.4041, 23.3091

Same Dimension

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



31.3371, 43.0477, 70.9483



46.0423, 63.2046, 104.3808



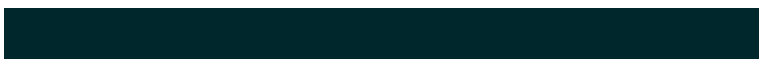
15.5969, 11.5673, 65.7015



12.6786, 13.8805, 15.9485



18.7874, 25.8365, 42.4499



1.1652, 1.6224, 2.5710

Inverse Universe

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



37.6512, 18.2988, 52.0011



55.3692, 26.9117, 76.3334



35.8781, 30.1536, 3.9307



12.8957, 12.6098, 15.3910



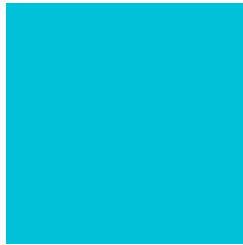
22.5419, 10.9531, 31.2212



1.3758, 0.6671, 1.9682

Previews

White Background



This preview shows how the XYZ color 31.3357, 43.0462, 70.9472 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 31.3357, 43.0462, 70.9472 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

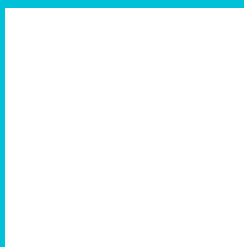
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3357, 43.0462, 70.9472

Background



This preview shows how black text looks on a background with the XYZ color 31.3357, 43.0462, 70.9472.



This preview shows how white text looks on a background with the XYZ color 31.3357, 43.0462,

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

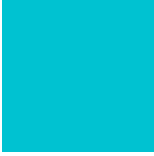
31.3357, 43.0462, 70.9472

Protanopia

41.8484, 42.5392, 61.2636

Deuteranopia

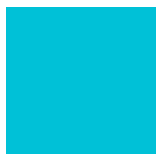
43.4175, 42.5086, 73.6268



Tritanopia

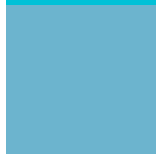
30.8004, 43.1870, 67.0342

Trichromacy



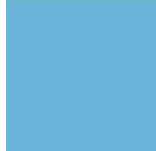
Original Color

31.3357, 43.0462, 70.9472



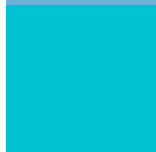
Protanomaly

33.6462, 40.2869, 64.3953



Deuteranomaly

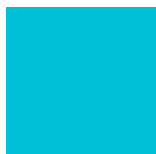
34.7188, 40.3663, 72.2913



Tritanomaly

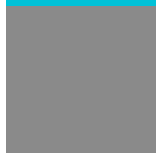
31.0497, 43.2867, 68.3467

Monochromacy



Original Color

31.3357, 43.0462, 70.9472



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.1343, 29.2816, 40.5090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3357, 43.0462, 70.9472 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, 193, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 215)  
}
```

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, 193, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 215) }
```

Border

The CSS property to change the border of an element to XYZ 31.3357, 43.0462, 70.9472 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, 193, 215) }
```


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

```
.border{ border-color:rgb(0, 193, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3357, 43.0462, 70.9472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 215) }
```

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

```
.background{ background-color: rgb(0, 193,  
215) }
```

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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