

Converting Colors

XYZ(24.0400, 38.7606, 73.0080)

Have a look what the booklet for
XYZ(24.0400, 38.7606, 73.0080)
contains.

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Color

**XYZ(31.6358, 42.8137,
73.6143)**

Conversions

Conversions Part 1

Format	Color
Hex	00C0DB
RGB	0, 192, 219
RGB Percent	0%, 75%, 86%
CMY	0.9998, 0.2470, 0.1412
CMYK	1.00, 0.12, 0.00, 0.14
HSL	187°, 100%, 43%
HSV	187°, 100%, 86%
XYZ	31.6358, 42.8137, 73.6143
YIQ	137.6700, -123.0990, -32.3070

Conversions

Conversions Part 2

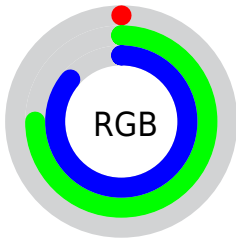
Format	Color
RYB	0, 102, 219
Decimal	49371
CIELab	71.43, -30.34, -24.80
CIELCh	71, 39.181, 219.263
Yxy	42.8137, 0.2137, 0.2892
Android (android.graphics.Color)	4278239451 (0xFF00C0DB)
YUV	137.6700, 40.0957, -120.7366
Hunter-Lab	65.4322, -28.2034, -20.9015

Details

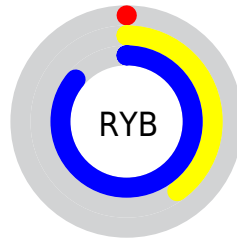
The XYZ color **31.6358, 42.8137, 73.6143** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **29.6072, 15.8467, 1.4998**, and the grayscale version is **23.9244, 25.1704, 27.4105**.

A 20% lighter version of the original color is **57.9891, 78.0972, 106.6257**, and **15.7893, 20.8573, 38.3156** is the 20% darker color. If you saturate the color by 10%, you get **31.6350, 42.8119, 73.6148**, and if you desaturate by 10%, it is **32.5648, 44.1818, 73.8302**.

Distribution



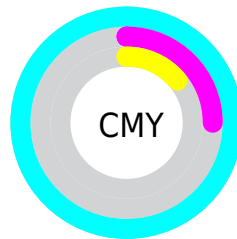
- Red (0%)
- Green (75%)
- Blue (86%)



- Red (0%)
- Yellow (40%)
- Blue (86%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6358, 42.8137, 73.6143 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 31.6358, 42.8137, 73.6143 by changing the saturation by 10% instead.

31.6358, 42.8137,
73.6143

31.6358, 42.8137,
73.6143

301.2317,
357.8451, 492.2689

21.2377, 29.7390,
53.9835

61.6088, 79.4297,
126.0779

13.4113, 19.6405,
38.1954

81.9143, 103.7397,
159.7478

7.7913, 12.1340,
25.8314

106.2530,
132.5636, 198.9345

4.0124, 6.8350,
16.4729

134.9903,
166.2857, 244.0565

1.7091, 3.3591,
9.7014

168.4914,
205.2906, 295.5325

0.4620, 1.3220,
5.0985

207.1218,

0.0000, 0.1581,

249.9625, 353.7808

2.2454

251.2468,
300.6858, 419.2201

■ 0.0000, 0.0000,
0.7004

■ 0.0000, 0.0000,
0.0000

■ 31.6358, 42.8137,
73.6143

■ 31.6358, 42.8137,
73.6143

■ 31.6350, 42.8119,
73.6148

■ 32.5648, 44.1818,
73.8302

■ 33.8768, 45.7628,
74.0663

■ 35.6950, 47.6211,
74.3291

■ 38.0881, 49.7921,
74.6220

■ 41.1139, 52.3058,
74.9477

■ 44.8232, 55.1884,
75.3086

■ 49.2614, 58.4635,
75.7069

■ 54.4702, 62.1525,
76.1444

■ 60.4878, 66.2753,
76.6230

Harmonies

Analogous

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



29.4076, 42.8137, 52.7163



31.6358, 42.8137, 73.6143



36.3624, 42.8137, 89.5458

Triad

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



31.6358, 42.8137, 73.6143



53.7550, 42.8137, 60.7087



38.6841, 42.8137, 19.1569

Complementary

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



31.6358, 42.8137, 73.6143



29.6072, 15.8467, 1.4998

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.



45.3548, 42.8137, 20.2155



31.6358, 42.8137, 73.6143



54.5496, 42.8137, 41.0070

Square

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



31.6358, 42.8137, 73.6143



49.2662, 42.8137, 80.8050



51.3326, 42.8137, 27.1882



33.1772, 42.8137, 23.7565

Rectangle

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



31.6358, 42.8137, 73.6143



40.5301, 42.8137, 93.2295



51.3326, 42.8137, 27.1882



40.8566, 42.8137, 18.8978

Sweetspot

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



31.6372, 42.8152, 73.6154



69.3491, 82.3924, 106.8560



25.5145, 50.7368, 9.4024



14.2483, 17.2011, 22.8191



0.0000, 0.0000, 0.0000



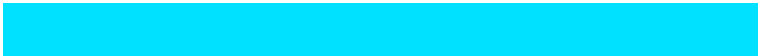
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6372, 42.8152, 73.6154



44.5863, 60.2926, 103.8954



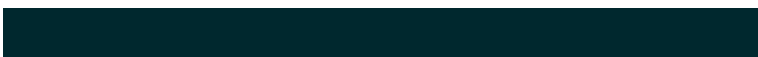
15.9561, 11.4531, 68.3883



13.3007, 14.5412, 16.7578



18.8127, 25.4949, 43.6679



1.2581, 1.7303, 2.8421

Inverse Universe

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



38.7291, 18.8673, 51.4711



54.6343, 26.6177, 72.4635



37.8881, 32.4083, 4.2601



13.5417, 13.2458, 16.1136



22.9911, 11.1975, 30.6629



1.5093, 0.7334, 2.0910

Previews

White Background



This preview shows how the XYZ color 31.6358, 42.8137, 73.6143 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 31.6358, 42.8137, 73.6143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

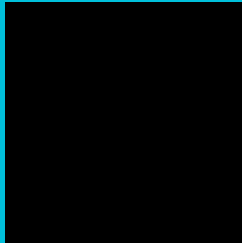
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6358, 42.8137, 73.6143

Background



This preview shows how black text looks on a background with the XYZ color 31.6358, 42.8137, 73.6143.



This preview shows how white text looks on a background with the XYZ color 31.6358, 42.8137,

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

31.6358, 42.8137, 73.6143

Protanopia

41.7083, 42.1283, 63.6909

Deuteranopia

43.3273, 42.4002, 76.4215



Tritanopia

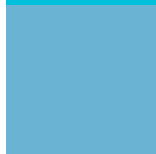
30.5786, 42.7434, 66.9602

Trichromacy



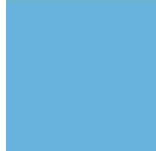
Original Color

31.6358, 42.8137, 73.6143



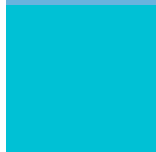
Protanomaly

33.6968, 39.9575, 66.9093



Deuteranomaly

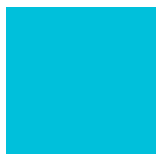
35.0138, 40.4572, 75.0708



Tritanomaly

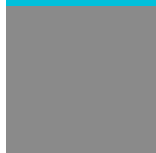
31.0802, 42.9440, 69.6017

Monochromacy



Original Color

31.6358, 42.8137, 73.6143



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.2264, 29.3184, 40.9941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6358, 42.8137, 73.6143 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, 192, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 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, 192, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 219) }
```

Border

The CSS property to change the border of an element to XYZ 31.6358, 42.8137, 73.6143 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, 192, 219) }
```


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

```
.border{ border-color:rgb(0, 192, 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, 192, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6358, 42.8137, 73.6143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 219) }
```

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

```
.background{ background-color: rgb(0, 192,  
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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