

Converting Colors

XYZ(34.5431, 49.0985, 73.1314)

Have a look what the booklet for
XYZ(34.5431, 49.0985, 73.1314)
contains.

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Color

**XYZ(34.5957, 49.1524,
73.3096)**

Conversions

Conversions Part 1

Format	Color
Hex	00CED9
RGB	0, 206, 217
RGB Percent	0%, 81%, 85%
CMY	0.9998, 0.1921, 0.1490
CMYK	1.00, 0.05, 0.00, 0.15
HSL	183°, 100%, 43%
HSV	183°, 100%, 85%
XYZ	34.5957, 49.1524, 73.3096
YIQ	145.6600, -126.3070, -40.2510

Conversions

Conversions Part 2

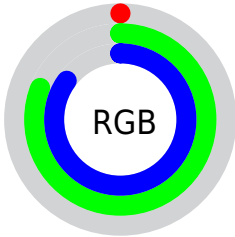
Format	Color
RYB	0, 106, 217
Decimal	52953
CIELab	75.55, -37.60, -17.45
CIELCh	76, 41.452, 204.903
Yxy	49.1524, 0.2203, 0.3130
Android (android.graphics.Color)	4278243033 (0xFF00CED9)
YUV	145.6600, 35.1706, -127.7438
Hunter-Lab	70.1088, -34.6082, -12.9208

Details

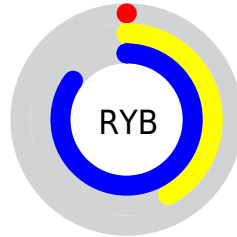
The XYZ color **34.5957, 49.1524, 73.3096** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.7362, 14.9925, 1.3808**, and the grayscale version is **27.0873, 28.4979, 31.0343**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.5882, 24.7419, 38.0311** is the 20% darker color. If you saturate the color by 10%, you get **34.5959, 49.1526, 73.3106**, and if you desaturate by 10%, it is **35.1878, 49.8532, 73.4146**.

Distribution



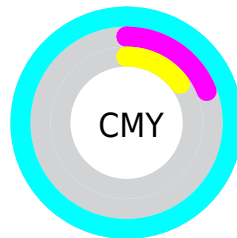
- Red (0%)
- Green (81%)
- Blue (85%)



- Red (0%)
- Yellow (42%)
- Blue (85%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5957, 49.1524, 73.3096 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 34.5957, 49.1524, 73.3096 by changing the saturation by 10% instead.

34.5957, 49.1524,
73.3096

34.5957, 49.1524,
73.3096

314.3195,
383.3420, 491.1867

23.5167, 34.7404,
53.7358

66.1971, 88.9178,
125.6416

15.0983, 23.4630,
37.9987

87.4502, 115.0399,
159.2369

8.9751, 14.9357,
25.6799

112.8254,
145.8342, 198.3431

4.7819, 8.7743,
16.3607

142.6879,
181.6851, 243.3788

2.1533, 4.5943,
9.6226

177.4033,
222.9769, 294.7624

0.7180, 2.0112,
5.0472

217.3368,

0.0000, 0.6140,

270.0940, 352.9126

2.2157

262.8537,
323.4209, 418.2478

■ 0.0000, 0.0000,
0.6834

■ 0.0000, 0.0000,
0.0000

■ 34.5957, 49.1524,
73.3096

■ 34.5957, 49.1524,
73.3096

■ 34.5959, 49.1526,
73.3106

■ 35.1878, 49.8532,
73.4146

■ 36.1453, 50.7441,
73.5361

■ 37.5896, 51.8888,
73.6809

■ 39.5876, 53.3216,
73.8522

■ 42.1959, 55.0719,
74.0525

■ 45.4640, 57.1650,
74.2843

■ 49.4364, 59.6240,
74.5496

■ 54.1535, 62.4697,
74.8502

■ 59.6530, 65.7216,
75.1880

Harmonies

Analogous

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



33.5339, 49.1524, 49.8591



34.5957, 49.1524, 73.3096



38.7536, 49.1524, 95.9616

Triad

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



34.5957, 49.1524, 73.3096



59.8290, 49.1524, 81.6076



48.0382, 49.1524, 21.5479

Complementary

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



34.5957, 49.1524, 73.3096



28.7362, 14.9925, 1.3808

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.



55.7048, 49.1524, 25.9015



34.5957, 49.1524, 73.3096



62.9707, 49.1524, 57.3530

Square

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



34.5957, 49.1524, 73.3096



53.1957, 49.1524, 101.5977



61.3849, 49.1524, 37.6545



40.7885, 49.1524, 23.6601

Rectangle

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



34.5957, 49.1524, 73.3096



42.9871, 49.1524, 105.4241



61.3849, 49.1524, 37.6545



50.6585, 49.1524, 22.2582

Sweetspot

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



34.5972, 49.1542, 73.3108



71.0603, 85.8147, 107.4264



24.8737, 49.6507, 8.5861



14.6640, 18.0324, 22.9577



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.



34.5972, 49.1542, 73.3108



49.8237, 70.7675, 105.6412



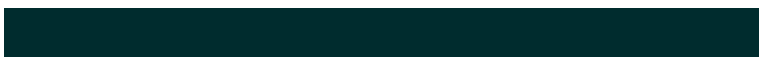
16.8630, 13.6856, 67.3994



13.3854, 14.7105, 16.7861



20.9664, 29.8022, 44.3858



1.3760, 1.9662, 2.8814

Inverse Universe

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



39.7572, 19.2094, 60.0068



57.2779, 27.6752, 86.3845



35.2574, 28.0350, 3.5545



13.5844, 13.2629, 16.3386



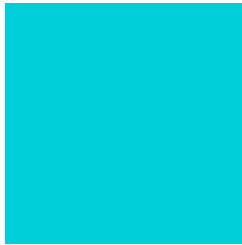
24.0782, 11.6323, 36.3874



1.5688, 0.7572, 2.4045

Previews

White Background



This preview shows how the XYZ color 34.5957, 49.1524, 73.3096 looks on a white background.

Color Contrast Check

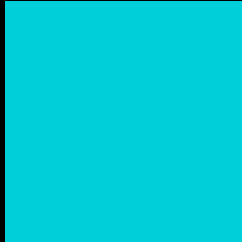
Large Text (above 18pt) WCAG AA × Fail

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 34.5957, 49.1524, 73.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

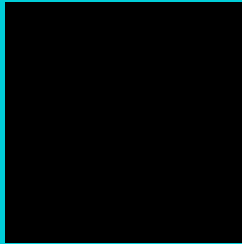
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

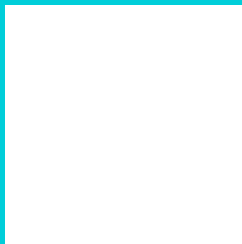
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5957, 49.1524, 73.3096

Background



This preview shows how black text looks on a background with the XYZ color 34.5957, 49.1524, 73.3096.



This preview shows how white text looks on a background with the XYZ color 34.5957, 49.1524,

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

34.5957, 49.1524, 73.3096

Protanopia

47.1226, 48.1985, 62.6967

Deuteranopia

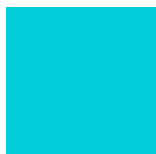
49.6103, 48.5658, 76.5714



Tritanopia

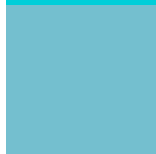
35.3695, 49.1187, 76.7239

Trichromacy



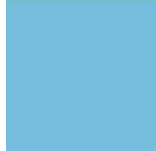
Original Color

34.5957, 49.1524, 73.3096



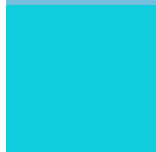
Protanomaly

37.0957, 45.4796, 65.8548



Deuteranomaly

38.8007, 45.8293, 75.2075



Tritanomaly

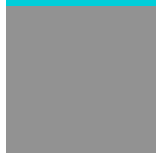
34.9466, 48.9315, 75.3130

Monochromacy



Original Color

34.5957, 49.1524, 73.3096



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.9632, 33.3110, 44.0910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5957, 49.1524, 73.3096 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, 206, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 217)  
}
```

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, 206, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 217) }
```

Border

The CSS property to change the border of an element to XYZ 34.5957, 49.1524, 73.3096 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, 206, 217) }
```


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

```
.border{ border-color:rgb(0, 206, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5957, 49.1524, 73.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 217) }
```

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

```
.background{ background-color: rgb(0, 206,  
217) }
```

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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