

# Converting Colors

XYZ(34.2485, 49.5538, 69.8159)

Have a look what the booklet for  
XYZ(34.2485, 49.5538, 69.8159)  
contains.

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# Color

**XYZ(34.1965, 49.3791,  
70.0161)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CFD4
RGB	0, 207, 212
RGB Percent	0%, 81%, 83%
CMY	0.9998, 0.1882, 0.1686
CMYK	1.00, 0.02, 0.00, 0.17
HSL	181°, 100%, 42%
HSV	181°, 100%, 83%
XYZ	34.1965, 49.3791, 70.0161
YIQ	145.6770, -124.9770, -42.3290

# Conversions

## Conversions Part 2

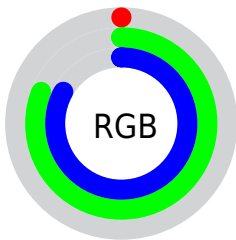
Format	Color
<b>RYB</b>	0, 105, 212
Decimal	53204
CIELab	75.69, -39.58, -14.55
CIELCh	76, 42.171, 200.179
Yxy	49.3791, 0.2226, 0.3215
Android (android.graphics.Color)	4278243284 (0xFF00CFD4)
YUV	145.6770, 32.6972, -127.7587
Hunter-Lab	70.2703, -36.1073, -9.8864

# Details

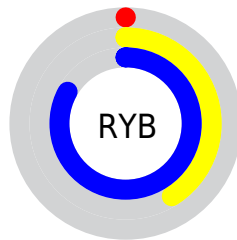
The XYZ color **34.1965, 49.3791, 70.0161** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.2069, 14.1070, 1.2905**, and the grayscale version is **27.1036, 28.5151, 31.0530**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.3140, 24.8908, 35.7901** is the 20% darker color. If you saturate the color by 10%, you get **34.1971, 49.3800, 70.0172**, and if you desaturate by 10%, it is **34.6333, 49.7854, 70.0724**.

# Distribution



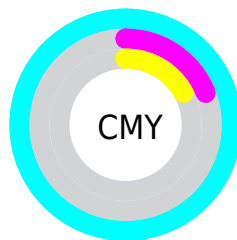
- Red (0%)
- Green (81%)
- Blue (83%)



- Red (0%)
- Yellow (41%)
- Blue (83%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (17%)




- Cyan (100%)
- Magenta (19%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1965, 49.3791, 70.0161 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 34.1965, 49.3791, 70.0161 by changing the saturation by 10% instead.




 34.1965, 49.3791,  
70.0161


 34.1965, 49.3791,  
70.0161


312.5779,  
384.2328, 479.3972


 23.2082, 34.9203,  
51.0628


 65.5814, 89.2542,  
120.9130


 14.8689, 23.6015,  
35.8815


 86.7087, 115.4394,  
153.6937


 8.8131, 15.0383,  
24.0537


 111.9464,  
146.3021, 191.9207

 4.6756, 8.8462,  
15.1609

 141.6598,  
182.2267, 236.0123

 2.0910, 4.6410,  
8.7845

 176.2143,  
223.5977, 286.3872

 0.6843, 2.0382,  
4.5060

215.9752,

 0.0000, 0.6295,

270.7995, 343.4640

1.9068

261.3080,  
324.2164, 407.6611

■ 0.0000, 0.0000,  
0.4971

■ 0.0000, 0.0000,  
0.0000

■ 34.1965, 49.3791,  
70.0161

■ 34.1965, 49.3791,  
70.0161

■ 34.1971, 49.3800,  
70.0172

■ 34.6333, 49.7854,  
70.0724

■ 35.4139, 50.3685,  
70.1438

■ 36.6544, 51.1893,  
70.2369

■ 38.4180, 52.2803,  
70.3545

■ 40.7580, 53.6690,  
70.4992

■ 43.7213, 55.3796,  
70.6732

■ 47.3497, 57.4336,  
70.8785

■ 51.6816, 59.8509,  
71.1167

■ 56.7523, 62.6496,  
71.3897

# Harmonies

## Analogous

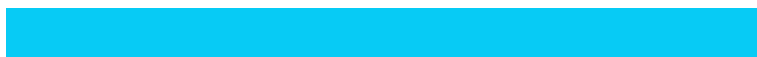
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6312, 49.3791, 46.7549



34.1965, 49.3791, 70.0161



37.9544, 49.3791, 94.0471

# Triad

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



34.1965, 49.3791, 70.0161



59.4443, 49.3791, 86.2960



49.5430, 49.3791, 21.5356

# Complementary

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



34.1965, 49.3791, 70.0161



27.2069, 14.1070, 1.2905

# 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.



57.2272, 49.3791, 27.0262



34.1965, 49.3791, 70.0161



63.3486, 49.3791, 61.4439

# Square

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



34.1965, 49.3791, 70.0161



52.3092, 49.3791, 105.1097



62.4951, 49.3791, 40.2465



41.9391, 49.3791, 22.6467



# Rectangle

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



34.1965, 49.3791, 70.0161



42.0210, 49.3791, 105.2535



62.4951, 49.3791, 40.2465



52.2144, 49.3791, 22.5951

# Sweetspot

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



34.1980, 49.3809, 70.0173



71.7122, 87.1185, 107.6437



23.5641, 47.0958, 7.9514



14.8228, 18.3500, 23.0106



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.



34.1980, 49.3809, 70.0173



51.9214, 74.9629, 106.3405



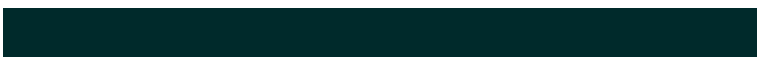
16.6846, 14.3541, 64.1795



12.7659, 14.0552, 15.9776



21.1223, 30.5064, 43.2282



1.2821, 1.8563, 2.6100



# Inverse Universe

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



38.4152, 18.5035, 60.5802



58.3367, 28.0987, 91.9602



32.6806, 25.0544, 3.1150



12.9398, 12.6274, 15.6232



23.7204, 11.4245, 37.4274

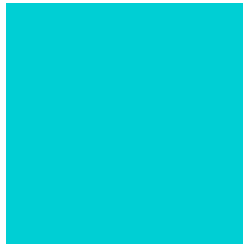


1.4348, 0.6907, 2.2791



# Previews

## White Background



This preview shows how the XYZ color 34.1965, 49.3791, 70.0161 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

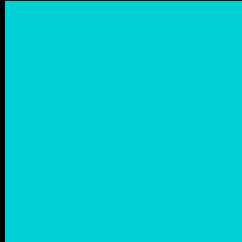
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.1965, 49.3791, 70.0161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

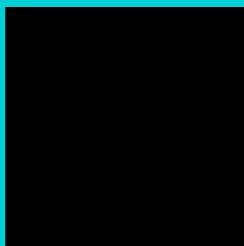
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

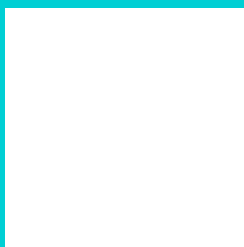
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.1965, 49.3791, 70.0161**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1965, 49.3791, 70.0161.



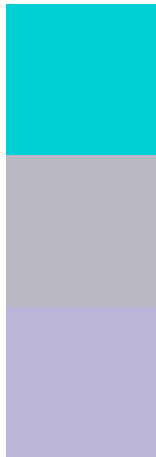
This preview shows how white text looks on a background with the XYZ color 34.1965, 49.3791,



# 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

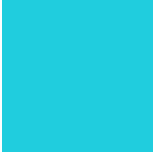
34.1965, 49.3791, 70.0161

### Protanopia

47.2261, 48.6265, 59.7201

### Deuteranopia

49.6723, 48.6745, 73.1068



## **Tritanopia**

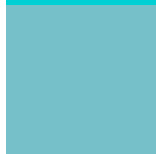
35.6118, 49.2436, 76.7353

# Trichromacy



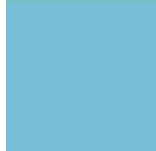
## Original Color

34.1965, 49.3791, 70.0161



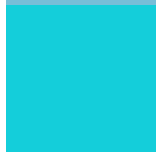
## Protanomaly

36.9815, 45.8151, 62.7712



## Deuteranomaly

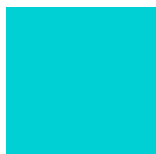
38.4159, 45.7067, 71.7633



## Tritanomaly

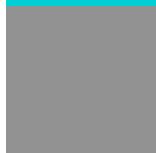
35.0147, 49.3533, 74.0103

# Monochromacy



## Original Color

34.1965, 49.3791, 70.0161



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

25.7725, 33.2347, 43.0868

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1965, 49.3791, 70.0161 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, 207, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 212)  
}
```

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, 207, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1965, 49.3791, 70.0161 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, 207, 212) }
```



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

```
.border{ border-color:rgb(0, 207, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1965, 49.3791, 70.0161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 212) }
```

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

```
.background{ background-color: rgb(0, 207,  
212) }
```

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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