

# Converting Colors

XYZ(34.9569, 48.5941, 77.3780)

Have a look what the booklet for  
XYZ(34.9569, 48.5941, 77.3780)  
contains.

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# Color

**XYZ(34.9121, 48.5134,  
77.3360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CCDF
RGB	0, 204, 223
RGB Percent	0%, 80%, 87%
CMY	0.9998, 0.2000, 0.1255
CMYK	1.00, 0.09, 0.00, 0.13
HSL	185°, 100%, 44%
HSV	185°, 100%, 87%
XYZ	34.9121, 48.5134, 77.3360
YIQ	145.1700, -127.6830, -37.3390

# Conversions

## Conversions Part 2

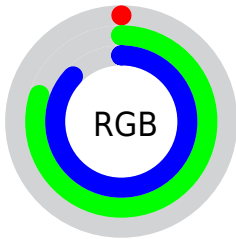
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 107, 223
Decimal	52447
CIELab	75.15, -34.80, -21.29
CIELCh	75, 40.794, 211.465
Yxy	48.5134, 0.2172, 0.3018
Android (android.graphics.Color)	4278242527 (0xFF00CCDF)
YUV	145.1700, 38.3702, -127.3141
Hunter-Lab	69.6516, -32.4190, -17.0752

# Details

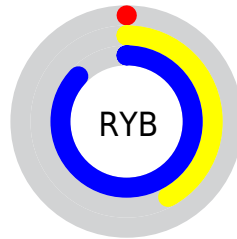
The XYZ color **34.9121, 48.5134, 77.3360** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.6659, 16.1558, 1.5036**, and the grayscale version is **26.8759, 28.2755, 30.7920**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.8153, 24.3220, 40.8014** is the 20% darker color. If you saturate the color by 10%, you get **34.9119, 48.5126, 77.3368**, and if you desaturate by 10%, it is **35.7062, 49.5983, 77.5045**.

# Distribution



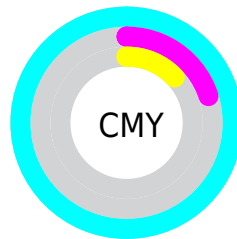
- Red (0%)
- Green (80%)
- Blue (87%)



- Red (0%)
- Yellow (42%)
- Blue (87%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (20%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9121, 48.5134, 77.3360 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 34.9121, 48.5134, 77.3360 by changing the saturation by 10% instead.



34.9121, 48.5134,  
77.3360

34.9121, 48.5134,  
77.3360

315.6950,  
380.8235, 505.3769

23.7614, 34.2336,  
57.0155

66.6845, 87.9683,  
131.3910

15.2805, 23.0731,  
40.6082

88.0369, 113.9123,  
165.9626

9.1041, 14.6475,  
27.6957

113.5205,  
144.5130, 206.1216

4.8668, 8.5724,  
17.8594

143.5007,  
180.1551, 252.2865

2.2033, 4.4633,  
10.6807

178.3430,  
221.2227, 304.8760

0.7445, 1.9360,  
5.7411

218.4125,

0.0000, 0.5699,

268.1004, 364.3085

2.6221

264.0747,  
321.1726, 431.0027

■ 0.0000, 0.0000,  
0.9038

■ 0.0000, 0.0000,  
0.0000

■ 34.9121, 48.5134,  
77.3360

■ 34.9121, 48.5134,  
77.3360

■ 34.9119, 48.5126,  
77.3368

■ 35.7062, 49.5983,  
77.5045

■ 36.8944, 50.8938,  
77.6919

■ 38.6045, 52.4664,  
77.9053

■ 40.9083, 54.3534,  
78.1481

■ 43.8663, 56.5859,  
78.4232

■ 47.5314, 59.1914,  
78.7329

■ 51.9512, 62.1942,  
79.0795

■ 57.1691, 65.6168,  
79.4651

■ 63.2253, 69.4800,  
79.8916

# Harmonies

## Analogous

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



33.1906, 48.5134, 53.8818



34.9121, 48.5134, 77.3360



39.5839, 48.5134, 97.8302

# Triad

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



34.9121, 48.5134, 77.3360



59.9154, 48.5134, 75.0106



45.7442, 48.5134, 21.4485

# Complementary

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



34.9121, 48.5134, 77.3360



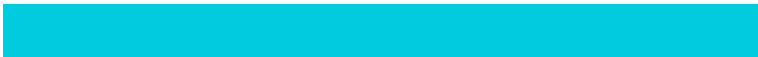
30.6659, 16.1558, 1.5036

# 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.



53.3178, 48.5134, 24.2988



34.9121, 48.5134, 77.3360



62.0114, 48.5134, 51.7779

# Square

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



34.9121, 48.5134, 77.3360



54.0217, 48.5134, 96.2523



59.4791, 48.5134, 34.1286



39.0121, 48.5134, 24.9310

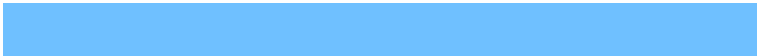


# Rectangle

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



34.9121, 48.5134, 77.3360



44.0115, 48.5134, 104.8401



59.4791, 48.5134, 34.1286



48.2752, 48.5134, 21.6918

# Sweetspot

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



34.9136, 48.5152, 77.3372



70.2405, 84.1752, 107.1531



26.5031, 52.8222, 9.3986



14.4646, 17.6337, 22.8912



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.



34.9136, 48.5152, 77.3372



47.2654, 65.6509, 104.7885



17.2300, 13.1478, 71.4426



14.0115, 15.3620, 17.6144



20.5688, 28.6071, 45.4860



1.4555, 2.0425, 3.1628



# Inverse Universe

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



41.3318, 20.0491, 58.8199



55.9866, 27.1586, 79.5845



38.4289, 31.6819, 4.0913



14.2420, 13.9144, 17.0445



24.3224, 11.7959, 34.6929

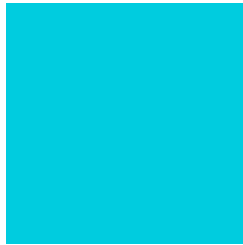


1.7009, 0.8237, 2.4840



# Previews

## White Background



This preview shows how the XYZ color 34.9121, 48.5134, 77.3360 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 34.9121, 48.5134, 77.3360 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

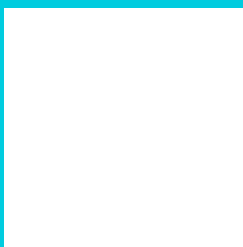
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.9121, 48.5134, 77.3360**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9121, 48.5134, 77.3360.



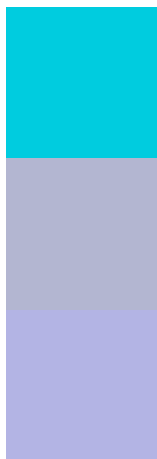
This preview shows how white text looks on a background with the XYZ color 34.9121, 48.5134,



# 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

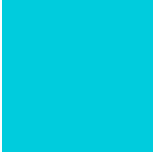
34.9121, 48.5134, 77.3360

### Protanopia

46.8270, 47.6431, 67.0496

### Deuteranopia

48.9153, 47.8277, 80.0523



## Tritanopia

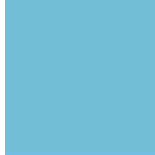
34.6440, 48.4062, 75.9240

# Trichromacy



## Original Color

34.9121, 48.5134, 77.3360



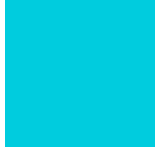
## Protanomaly

37.4905, 45.2594, 70.3783



## Deuteranomaly

38.8645, 45.4636, 78.6785



## Tritanomaly

34.7777, 48.4597, 76.6279

# Monochromacy



## Original Color

34.9121, 48.5134, 77.3360



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

25.5927, 32.5649, 44.4719

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9121, 48.5134, 77.3360 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, 204, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 223)  
}
```

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, 204, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9121, 48.5134, 77.3360 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, 204, 223) }
```



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

```
.border{ border-color:rgb(0, 204, 223) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9121, 48.5134, 77.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 223) }
```

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

```
.background{ background-color: rgb(0, 204,  
223) }
```

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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