

# Converting Colors

XYZ(36.0406, 49.9081, 80.3706)

Have a look what the booklet for  
XYZ(36.0406, 49.9081, 80.3706)  
contains.

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# Color

**XYZ(35.9364, 49.6887,  
80.3699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CEE3
RGB	0, 206, 227
RGB Percent	0%, 81%, 89%
CMY	0.9998, 0.1921, 0.1098
CMYK	1.00, 0.09, 0.00, 0.11
HSL	186°, 100%, 45%
HSV	186°, 100%, 89%
XYZ	35.9364, 49.6887, 80.3699
YIQ	146.8000, -129.5170, -37.1410

# Conversions

## Conversions Part 2

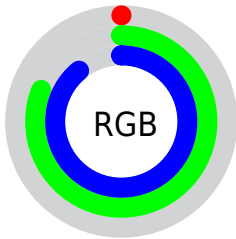
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 108, 227
Decimal	52963
CIELab	75.88, -34.47, -22.34
CIELCh	76, 41.079, 212.942
Yxy	49.6887, 0.2165, 0.2993
Android (android.graphics.Color)	4278243043 (0xFF00CEE3)
YUV	146.8000, 39.5386, -128.7436
Hunter-Lab	70.4902, -32.3573, -18.2568

# Details

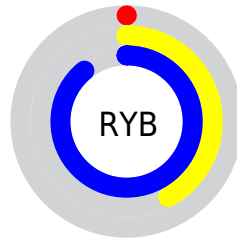
The XYZ color **35.9364, 49.6887, 80.3699** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.9484, 16.8694, 1.5738**, and the grayscale version is **27.5380, 28.9721, 31.5506**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.5130, 25.1118, 42.9010** is the 20% darker color. If you saturate the color by 10%, you get **35.9362, 49.6878, 80.3707**, and if you desaturate by 10%, it is **36.7941, 50.8875, 80.5570**.

# Distribution



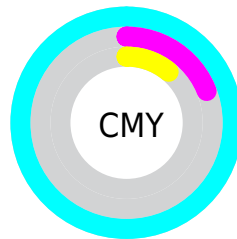
- Red (0%)
- Green (81%)
- Blue (89%)



- Red (0%)
- Yellow (42%)
- Blue (89%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (19%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9364, 49.6887, 80.3699 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 35.9364, 49.6887, 80.3699 by changing the saturation by 10% instead.



35.9364, 49.6887,  
80.3699

35.9364, 49.6887,  
80.3699

320.1186,  
385.4473, 515.9182

24.5550, 35.1661,  
59.4948

68.2584, 89.7135,  
135.7018

15.8728, 23.7909,  
42.5890

89.9297, 115.9844,  
170.9956

9.5244, 15.1786,  
29.2337

115.7616,  
146.9403, 211.9329

5.1446, 8.9448,  
19.0106

146.1196,  
182.9655, 258.9320

2.3680, 4.7052,  
11.5011

181.3689,  
224.4444, 312.4115

0.8291, 2.0753,  
6.2865

221.8749,

0.0000, 0.6507,

271.7614, 372.7900

2.9485

268.0030,  
325.3009, 440.4861

■ 0.0000, 0.0000,  
1.0684

■ 0.0000, 0.0000,  
0.0000

■ 35.9364, 49.6887,  
80.3699

■ 35.9364, 49.6887,  
80.3699

■ 35.9362, 49.6878,  
80.3707

■ 36.7941, 50.8875,  
80.5570

■ 38.0644, 52.3081,  
80.7643

■ 39.8794, 54.0196,  
80.9990

■ 42.3142, 56.0608,  
81.2646

■ 45.4321, 58.4643,  
81.5642

■ 49.2884, 61.2587,  
81.9004

■ 53.9329, 64.4697,  
82.2754

■ 59.4108, 68.1206,  
82.6913

■ 65.7640, 72.2331,  
83.1503

# Harmonies

## Analogous

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



34.0183, 49.6887, 56.2916



35.9364, 49.6887, 80.3699



40.8527, 49.6887, 100.9083

# Triad

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



35.9364, 49.6887, 80.3699



61.5619, 49.6887, 75.5965



46.4774, 49.6887, 22.0144

# Complementary

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



35.9364, 49.6887, 80.3699



31.9484, 16.8694, 1.5738

# 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.



54.2334, 49.6887, 24.6094



35.9364, 49.6887, 80.3699



63.4778, 49.6887, 51.9710

# Square

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



35.9364, 49.6887, 80.3699



55.6787, 49.6887, 97.6704



60.6662, 49.6887, 34.2904



39.6781, 49.6887, 25.9093

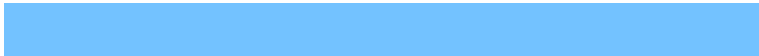


# Rectangle

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



35.9364, 49.6887, 80.3699



45.4447, 49.6887, 107.5459



60.6662, 49.6887, 34.2904



49.0566, 49.6887, 22.1594

# Sweetspot

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



35.9380, 49.6905, 80.3711



70.0684, 83.8310, 107.0957



27.5874, 54.9861, 9.7739



14.4228, 17.5501, 22.8773



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.



35.9380, 49.6905, 80.3711



46.7397, 64.5995, 104.6132



17.9235, 13.6616, 74.3663



14.6875, 16.0963, 18.4771



21.0038, 29.0696, 46.8872



1.5856, 2.2151, 3.4759



# Inverse Universe

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



42.8205, 20.7886, 60.1501



55.7213, 27.0525, 78.1872



39.9902, 32.9532, 4.2544



14.9346, 14.5910, 17.8559



24.9952, 12.1323, 35.1995

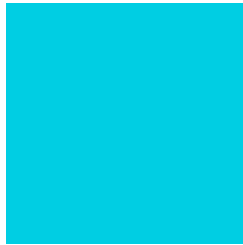


1.8639, 0.9033, 2.6900



# Previews

## White Background



This preview shows how the XYZ color 35.9364, 49.6887, 80.3699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

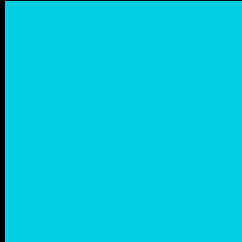
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.9364, 49.6887, 80.3699 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 35.9364, 49.6887, 80.3699**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9364, 49.6887, 80.3699.



This preview shows how white text looks on a background with the XYZ color 35.9364, 49.6887,



# 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

35.9364, 49.6887, 80.3699

### Protanopia

48.0802, 48.8582, 69.1838

### Deuteranopia

50.1158, 48.9854, 83.1577



## Tritanopia

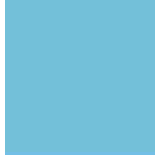
35.3906, 49.4703, 77.4955

# Trichromacy



## Original Color

35.9364, 49.6887, 80.3699



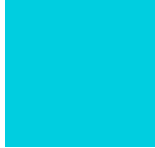
## Protanomaly

38.4443, 46.3539, 72.5666



## Deuteranomaly

39.9840, 46.6196, 81.7540



## Tritanomaly

35.5259, 49.5244, 78.2078

# Monochromacy



## Original Color

35.9364, 49.6887, 80.3699



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

26.4552, 33.5195, 46.1499

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9364, 49.6887, 80.3699 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9364, 49.6887, 80.3699 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, 227) }
```



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

```
.border{ border-color:rgb(0, 206, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9364, 49.6887, 80.3699 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, 227) }
```

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

```
.background{ background-color: rgb(0, 206,  
227) }
```

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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