

# Converting Colors

XYZ(27.9879, 36.3506, 69.8312)

Have a look what the booklet for  
XYZ(27.9879, 36.3506, 69.8312)  
contains.

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# Color

**XYZ(27.9879, 36.3506,  
69.8312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B1D7
RGB	0, 177, 215
RGB Percent	0%, 69%, 84%
CMY	0.9998, 0.3059, 0.1569
CMYK	1.00, 0.18, 0.00, 0.16
HSL	191°, 100%, 42%
HSV	191°, 100%, 84%
XYZ	27.9879, 36.3506, 69.8312
YIQ	128.4090, -117.6900, -25.7060

# Conversions

## Conversions Part 2

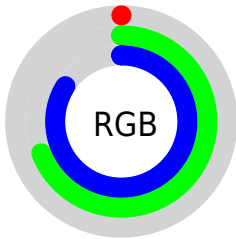
Format	Color
<a href="#">RYB</a>	0, 97, 215
Decimal	45527
CIELab	66.79, -24.20, -29.74
CIELCh	67, 38.338, 230.868
Yxy	36.3506, 0.2086, 0.2709
Android (android.graphics.Color)	4278235607 (0xFF00B1D7)
YUV	128.4090, 42.6894, -112.6147
Hunter-Lab	60.2915, -22.6486, -26.4673

# Details

The XYZ color **27.9879, 36.3506, 69.8312** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.7197, 15.8369, 1.5447**, and the grayscale version is **20.5513, 21.6216, 23.5459**.

A 20% lighter version of the original color is **52.8978, 68.4409, 105.0301**, and **13.5528, 16.9534, 35.8157** is the 20% darker color. If you saturate the color by 10%, you get **27.9866, 36.3478, 69.8315**, and if you desaturate by 10%, it is **29.0708, 38.0396, 70.1009**.

# Distribution



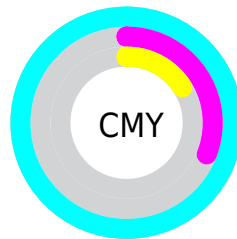
- Red (0%)
- Green (69%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (31%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9879, 36.3506, 69.8312 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 27.9879, 36.3506, 69.8312 by changing the saturation by 10% instead.



■ 27.9879, 36.3506,  
69.8312

■ 27.9879, 36.3506,  
69.8312

284.4902,  
330.4904, 478.7302

■ 18.4569, 24.7051,  
50.9130

■ 55.8739, 69.5729,  
120.6469

■ 11.3802, 15.8575,  
35.7631

■ 74.9597, 91.9184,  
153.3814

■ 6.3924, 9.4234,  
23.9631

■ 97.9611, 118.5994,  
191.5584

■ 3.1280, 5.0183,  
15.0943

■ 125.2435,  
150.0003, 235.5965

■ 1.2218, 2.2580,  
8.7382

■ 157.1722,  
186.5054, 285.9142

■ 0.1235, 0.7514,  
4.4764

194.1127,

■ 0.0000, 0.0000,

228.4992, 342.9300

1.8901

236.4303,  
276.3661, 407.0625

■ 0.0000, 0.0000,  
0.4864

■ 0.0000, 0.0000,  
0.0000

■ 27.9879, 36.3506,  
69.8312

■ 27.9879, 36.3506,  
69.8312

■ 27.9866, 36.3478,  
69.8315

■ 29.0708, 38.0396,  
70.1009

■ 30.5306, 39.9535,  
70.3933

■ 32.4862, 42.1546,  
70.7151

■ 35.0033, 44.6769,  
71.0693

■ 38.1374, 47.5493,  
71.4586

■ 41.9369, 50.7970,  
71.8852

■ 46.4455, 54.4426,  
72.3512

■ 51.7030, 58.5071,  
72.8586

■ 57.7461, 63.0095,  
73.4092

# Harmonies

## Analogous

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



25.1543, 36.3506, 52.0622



27.9879, 36.3506, 69.8312



32.8128, 36.3506, 80.1570

# Triad

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



27.9879, 36.3506, 69.8312



46.7526, 36.3506, 44.8600



30.7331, 36.3506, 16.6325

# Complementary

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



27.9879, 36.3506, 69.8312



28.7197, 15.8369, 1.5447

# 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.



36.3478, 36.3506, 15.7034



27.9879, 36.3506, 69.8312



46.0353, 36.3506, 29.2711

# Square

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



27.9879, 36.3506, 69.8312



43.9283, 36.3506, 63.3120



42.0655, 36.3506, 19.6369



26.6118, 36.3506, 22.6710



# Rectangle

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



27.9879, 36.3506, 69.8312



36.6927, 36.3506, 79.8886



42.0655, 36.3506, 19.6369



32.4927, 36.3506, 15.7942

# Sweetspot

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



27.9891, 36.3519, 69.8321



68.1215, 79.9372, 106.4468



24.6179, 48.7284, 9.7673



13.9513, 16.6070, 22.7201



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

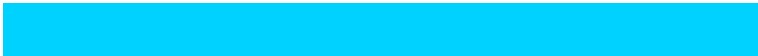


# Same Dimension

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



27.9891, 36.3519, 69.8321



41.0770, 53.2741, 102.7257



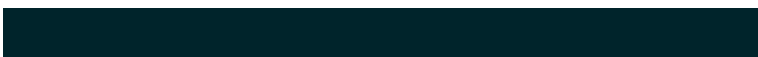
14.5647, 9.5030, 65.3573



12.5968, 13.7170, 15.9212



16.8093, 21.8804, 41.7905



1.0639, 1.4199, 2.5373



# Inverse Universe

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



35.9612, 17.6228, 43.1023



52.8630, 25.9092, 63.1358



37.9003, 34.1980, 4.6048



12.8544, 12.5933, 15.1736



21.5434, 10.5537, 25.9634



1.3247, 0.6467, 1.6991



# Previews

## White Background



This preview shows how the XYZ color 27.9879, 36.3506, 69.8312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

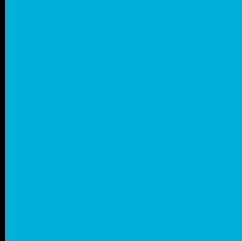
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.9879, 36.3506, 69.8312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

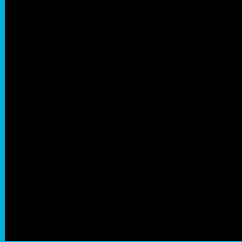
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 27.9879, 36.3506, 69.8312**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.9879, 36.3506, 69.8312.



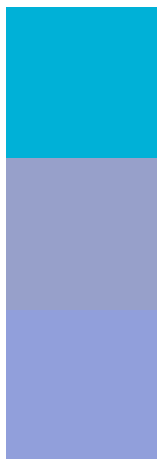
This preview shows how white text looks on a background with the XYZ color 27.9879, 36.3506,



# 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

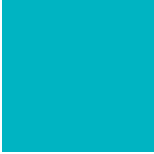
27.9879, 36.3506, 69.8312

### Protanopia

35.9940, 35.9852, 60.9259

### Deuteranopia

36.8614, 35.9305, 72.0103



## Tritanopia

26.0589, 36.5376, 56.7179

# Trichromacy



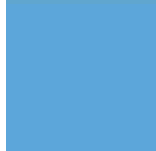
## Original Color

27.9879, 36.3506, 69.8312



## Protanomaly

29.7226, 34.2642, 64.0786



## Deuteranomaly

30.7047, 34.6097, 71.3917



## Tritanomaly

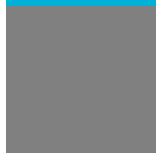
26.7808, 36.5045, 61.5117

# Monochromacy



## Original Color

27.9879, 36.3506, 69.8312



## Achromatopsia

20.5175, 21.5861, 23.5072



## Achromatomaly

20.0174, 24.8452, 36.9983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.9879, 36.3506, 69.8312 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, 177, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 215)  
}
```

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, 177, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 27.9879, 36.3506, 69.8312 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, 177, 215) }
```



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

```
.border{ border-color:rgb(0, 177, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.9879, 36.3506, 69.8312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 215) }
```

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

```
.background{ background-color: rgb(0, 177,  
215) }
```

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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