

# Converting Colors

XYZ(28.9337, 37.8803, 71.2619)

Have a look what the booklet for  
XYZ(28.9337, 37.8803, 71.2619)  
contains.

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# Color

**XYZ(29.0483, 38.0575,  
71.4605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B5D9
RGB	0, 181, 217
RGB Percent	0%, 71%, 85%
CMY	0.9998, 0.2902, 0.1490
CMYK	1.00, 0.17, 0.00, 0.15
HSL	190°, 100%, 43%
HSV	190°, 100%, 85%
XYZ	29.0483, 38.0575, 71.4605
YIQ	130.9850, -119.4320, -27.1760

# Conversions

## Conversions Part 2

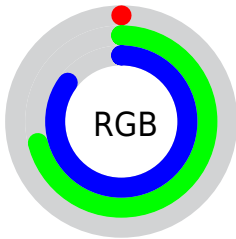
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 99, 217
Decimal	46553
CIELab	68.06, -25.55, -28.87
CIELCh	68, 38.550, 228.495
Yxy	38.0575, 0.2096, 0.2747
Android (android.graphics.Color)	4278236633 (0xFF00B5D9)
YUV	130.9850, 42.4054, -114.8738
Hunter-Lab	61.6908, -23.9086, -25.4960

# Details

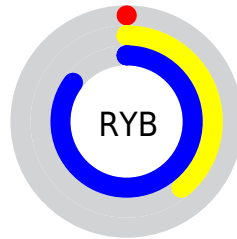
The XYZ color **29.0483, 38.0575, 71.4605** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.2485, 16.0171, 1.5517**, and the grayscale version is **21.4585, 22.5760, 24.5853**.

A 20% lighter version of the original color is **54.1599, 70.7916, 105.4174**, and **14.2408, 18.0470, 36.9153** is the 20% darker color. If you saturate the color by 10%, you get **29.0469, 38.0546, 71.4608**, and if you desaturate by 10%, it is **30.1161, 39.7097, 71.7239**.

# Distribution



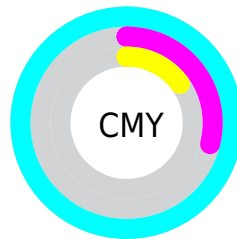
- Red (0%)
- Green (71%)
- Blue (85%)



- Red (0%)
- Yellow (39%)
- Blue (85%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (29%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0483, 38.0575, 71.4605 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 29.0483, 38.0575, 71.4605 by changing the saturation by 10% instead.



29.0483, 38.0575,  
71.4605

29.0483, 38.0575,  
71.4605

289.4329,  
337.8666, 484.5886

19.2618, 26.0273,  
52.2339

57.5508, 72.1963,  
122.9898

11.9647, 16.8441,  
36.8081

76.9976, 95.0736,  
156.1296

6.7917, 10.1234,  
24.7643

100.3952,  
122.3355, 194.7442

3.3773, 5.4808,  
15.6841

128.1090,  
154.3663, 239.2522

1.3563, 2.5321,  
9.1490

160.5043,  
191.5504, 290.0721

0.2248, 0.8926,  
4.7403

197.9465,

0.0000, 0.0000,

234.2722, 347.6224

2.0397

240.8009,  
282.9162, 412.3217

■ 0.0000, 0.0000,  
0.5795

■ 0.0000, 0.0000,  
0.0000

■ 29.0483, 38.0575,  
71.4605

■ 29.0483, 38.0575,  
71.4605

■ 29.0469, 38.0546,  
71.4608

■ 30.1161, 39.7097,  
71.7239

■ 31.5669, 41.5870,  
72.0098

■ 33.5217, 43.7526,  
72.3247

■ 36.0478, 46.2414,  
72.6720

■ 39.2018, 49.0828,  
73.0542

■ 43.0333, 52.3026,  
73.4738

■ 47.5869, 55.9240,  
73.9327

■ 52.9034, 59.9681,  
74.4331

■ 59.0203, 64.4546,  
74.9767

# Harmonies

## Analogous

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



26.2910, 38.0575, 52.8370



29.0483, 38.0575, 71.4605



33.9183, 38.0575, 83.0174

# Triad

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



29.0483, 38.0575, 71.4605



48.7064, 38.0575, 48.3892



32.6323, 38.0575, 17.3254

# Complementary

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



29.0483, 38.0575, 71.4605



29.2485, 16.0171, 1.5517

# 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.



38.5245, 38.0575, 16.7485



29.0483, 38.0575, 71.4605



48.2635, 38.0575, 31.8093

# Square

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



29.0483, 38.0575, 71.4605



45.5260, 38.0575, 67.4390



44.3756, 38.0575, 21.2807



28.1968, 38.0575, 23.1616



# Rectangle

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



29.0483, 38.0575, 71.4605



37.9050, 38.0575, 83.4976



44.3756, 38.0575, 21.2807



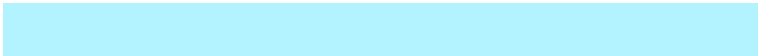
34.4937, 38.0575, 16.5842

# Sweetspot

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



29.0496, 38.0588, 71.4614



68.3683, 80.4307, 106.5290



25.0828, 49.7342, 9.6872



14.0109, 16.7263, 22.7400



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

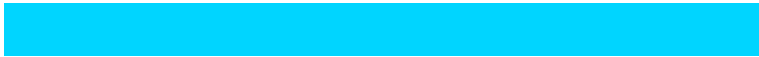


# Same Dimension

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



29.0496, 38.0588, 71.4614



41.7654, 54.6508, 102.9551



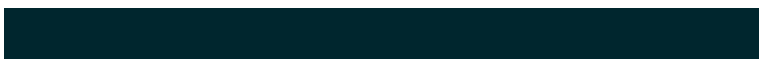
15.1088, 10.1773, 66.8145



13.2514, 14.4425, 16.7414



17.6500, 23.1695, 43.2803



1.1934, 1.6009, 2.8206



# Inverse Universe

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



36.9570, 18.0894, 45.2610



53.2104, 26.0482, 64.9655



38.1512, 33.8226, 4.5193



13.5168, 13.2358, 15.9825



22.4043, 10.9627, 27.5726



1.4767, 0.7203, 1.9190



# Previews

## White Background



This preview shows how the XYZ color 29.0483, 38.0575, 71.4605 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 29.0483, 38.0575, 71.4605 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 29.0483, 38.0575, 71.4605**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.0483, 38.0575, 71.4605.



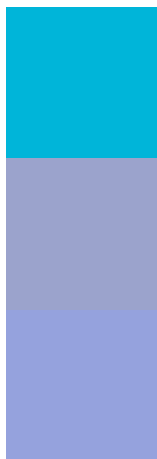
This preview shows how white text looks on a background with the XYZ color 29.0483, 38.0575,



# 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

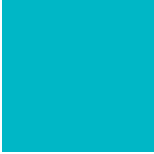
29.0483, 38.0575, 71.4605

### Protanopia

37.5138, 37.5226, 62.3921

### Deuteranopia

38.3659, 37.4507, 73.6132



## **Tritanopia**

27.1265, 37.9442, 59.3203

# Trichromacy



## Original Color

29.0483, 38.0575, 71.4605



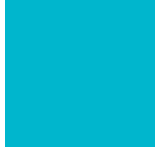
## Protanomaly

31.0289, 36.0055, 65.6360



## Deuteranomaly

31.8255, 35.9761, 72.9768



## Tritanomaly

27.7474, 37.8637, 63.6036

# Monochromacy



## Original Color

29.0483, 38.0575, 71.4605



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

20.8363, 25.9425, 38.0916

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.0483, 38.0575, 71.4605 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, 181, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 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, 181, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 29.0483, 38.0575, 71.4605 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, 181, 217) }
```



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

```
.border{ border-color:rgb(0, 181, 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, 181, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.0483, 38.0575, 71.4605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 217) }
```

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

```
.background{ background-color: rgb(0, 181,  
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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