

Converting Colors

XYZ(23.0700, 35.5439, 78.8476)

Have a look what the booklet for
XYZ(23.0700, 35.5439, 78.8476)
contains.

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Color

**XYZ(30.9371, 39.4684,
79.3864)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7E4
RGB	0, 183, 228
RGB Percent	0%, 72%, 89%
CMY	0.9998, 0.2823, 0.1059
CMYK	1.00, 0.20, 0.00, 0.11
HSL	192°, 100%, 45%
HSV	192°, 100%, 89%
XYZ	30.9371, 39.4684, 79.3864
YIQ	133.4130, -123.5130, -24.8010

Conversions

Conversions Part 2

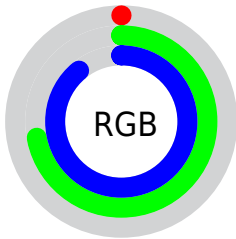
Format	Color
RYB	0, 102, 228
Decimal	47076
CIELab	69.09, -22.82, -33.30
CIELCh	69, 40.373, 235.576
Yxy	39.4684, 0.2065, 0.2635
Android (android.graphics.Color)	4278237156 (0xFF00B7E4)
YUV	133.4130, 46.6314, -117.0032
Hunter-Lab	62.8239, -22.0409, -30.9442

Details

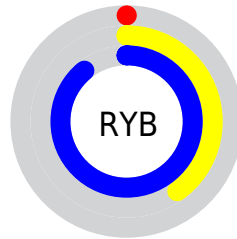
The XYZ color **30.9371, 39.4684, 79.3864** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.9363, 18.3757, 1.8127**, and the grayscale version is **22.3195, 23.4819, 25.5718**.

A 20% lighter version of the original color is **55.1008, 72.1411, 105.6283**, and **15.4290, 18.9438, 41.8731** is the 20% darker color. If you saturate the color by 10%, you get **30.9352, 39.4643, 79.3865**, and if you desaturate by 10%, it is **32.2312, 41.5366, 79.7182**.

Distribution



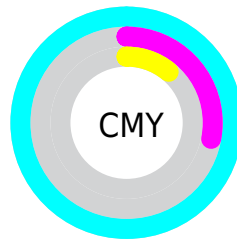
- Red (0%)
- Green (72%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9371, 39.4684, 79.3864 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 30.9371, 39.4684, 79.3864 by changing the saturation by 10% instead.

30.9371, 39.4684,
79.3864

30.9371, 39.4684,
79.3864

298.0805,
343.8778, 512.5147

20.7025, 27.1243,
58.6904

60.5175, 74.3533,
134.3063

13.0180, 17.6666,
41.9455

80.5941, 97.6630,
169.3672

7.5180, 10.7109,
28.7334

104.6821,
125.3966, 210.0535

3.8373, 5.8728,
18.6354

133.1469,
157.9385, 256.7838

1.6105, 2.7679,
11.2330

166.3537,
195.6732, 309.9765

0.3992, 1.0118,
6.1076

204.6681,

0.0000, 0.0000,

238.9851, 370.0501

2.8408

248.4552,
288.2585, 437.4234

■ 0.0000, 0.0000,
1.0139

■ 0.0000, 0.0000,
0.0000

■ 30.9371, 39.4684,
79.3864

■ 30.9371, 39.4684,
79.3864

■ 30.9352, 39.4643,
79.3865

■ 32.2312, 41.5366,
79.7182

■ 33.9659, 43.8757,
80.0783

■ 36.2742, 46.5554,
80.4738

■ 39.2322, 49.6154,
80.9086

■ 42.9043, 53.0891,
81.3855

■ 47.3466, 57.0058,
81.9074

■ 52.6095, 61.3921,
82.4766

■ 58.7391, 66.2719,
83.0955

■ 65.7779, 71.6676,
83.7659

Harmonies

Analogous

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



27.4120, 39.4684, 60.1828



30.9371, 39.4684, 79.3864



36.5661, 39.4684, 88.9409

Triad

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



30.9371, 39.4684, 79.3864



51.2700, 39.4684, 45.7695



32.4155, 39.4684, 18.2585

Complementary

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



30.9371, 39.4684, 79.3864



32.9363, 18.3757, 1.8127

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.



38.4772, 39.4684, 16.4190



30.9371, 39.4684, 79.3864



49.8341, 39.4684, 29.4053

Square

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



30.9371, 39.4684, 79.3864



48.6883, 39.4684, 66.3130



44.9615, 39.4684, 19.8492



28.1945, 39.4684, 25.8762

Rectangle

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



30.9371, 39.4684, 79.3864



40.9393, 39.4684, 87.0106



44.9615, 39.4684, 19.8492



34.2844, 39.4684, 17.0575

Sweetspot

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



30.9385, 39.4698, 79.3874



67.6550, 79.0042, 106.2913



28.1597, 55.6539, 11.4346



13.8386, 16.3817, 22.6826



0.0000, 0.0000, 0.0000



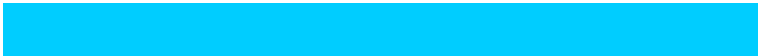
20.3446, 21.4041, 23.3091

Same Dimension

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



30.9385, 39.4698, 79.3874



39.7998, 50.7196, 102.2999



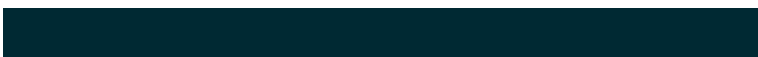
16.3376, 10.2681, 74.5204



14.5530, 15.8275, 18.4323



17.9479, 22.9579, 45.8685



1.3881, 1.8202, 3.4101

Inverse Universe

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



40.5434, 19.9145, 46.5079



52.2183, 25.6513, 59.7409



43.8539, 40.2110, 5.4519



14.8667, 14.5639, 17.4986



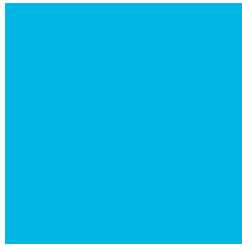
23.4528, 11.5153, 27.0770



1.7643, 0.8634, 2.1653

Previews

White Background



This preview shows how the XYZ color 30.9371, 39.4684, 79.3864 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 30.9371, 39.4684, 79.3864 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 30.9371, 39.4684, 79.3864

Background



This preview shows how black text looks on a background with the XYZ color 30.9371, 39.4684, 79.3864.



This preview shows how white text looks on a background with the XYZ color 30.9371, 39.4684,

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

30.9371, 39.4684, 79.3864

Protanopia

39.4195, 39.1473, 69.7685

Deuteranopia

39.8747, 38.8475, 81.7406



Tritanopia

28.1015, 39.3349, 61.3696

Trichromacy



Original Color

30.9371, 39.4684, 79.3864

Protanomaly

32.8164, 37.3250, 73.1850

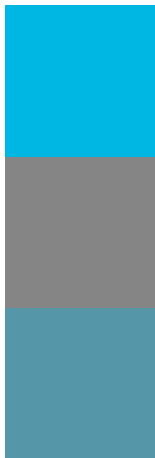
Deuteranomaly

33.6905, 37.6017, 81.0835

Tritanomaly

29.1068, 39.4011, 67.6991

Monochromacy



Original Color

30.9371, 39.4684, 79.3864

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.8808, 26.8917, 41.0832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9371, 39.4684, 79.3864 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, 183, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 228)  
}
```

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, 183, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 228) }
```

Border

The CSS property to change the border of an element to XYZ 30.9371, 39.4684, 79.3864 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, 183, 228) }
```


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

```
.border{ border-color:rgb(0, 183, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9371, 39.4684, 79.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 228) }
```

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

```
.background{ background-color: rgb(0, 183,  
228) }
```

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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