

Converting Colors

XYZ(30.0800, 36.8180, 81.8651)

Have a look what the booklet for
XYZ(30.0800, 36.8180, 81.8651)
contains.

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Color

**XYZ(30.1159, 36.8898,
81.8771)**

Conversions

Conversions Part 1

Format	Color
Hex	02B0E8
RGB	2, 176, 232
RGB Percent	1%, 69%, 91%
CMY	0.9919, 0.3098, 0.0902
CMYK	0.99, 0.24, 0.00, 0.09
HSL	195°, 98%, 46%
HSV	195°, 99%, 91%
XYZ	30.1159, 36.8898, 81.8771
YIQ	130.3580, -121.6800, -19.4720

Conversions

Conversions Part 2

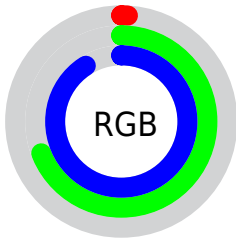
Format	Color
R_{YB}	2, 101, 232
Decimal	176360
CIE _{Lab}	67.19, -17.73, -38.43
CIE _{LCh}	67, 42.324, 245.240
Yxy	36.8898, 0.2023, 0.2478
Android (android.graphics.Color)	4278366440 (0xFF02B0E8)
YUV	130.3580, 50.1095, -112.5700
Hunter-Lab	60.7370, -17.7820, -37.4106

Details

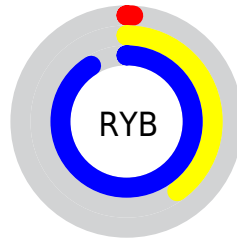
The XYZ color **30.1159, 36.8898, 81.8771** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **34.8066, 20.1930, 2.1224**, and the grayscale version is **21.2110, 22.3156, 24.3017**.

A 20% lighter version of the original color is **53.0910, 68.1214, 104.9583**, and **14.9194, 17.3005, 43.6273** is the 20% darker color. If you saturate the color by 10%, you get **29.9930, 36.6809, 81.8440**, and if you desaturate by 10%, it is **31.6299, 39.3499, 82.2729**.

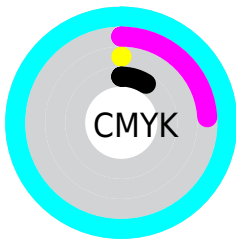
Distribution



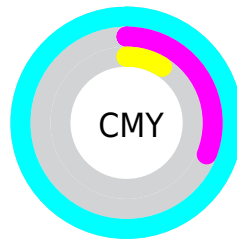
- Red (1%)
- Green (69%)
- Blue (91%)



- Red (1%)
- Yellow (40%)
- Blue (91%)



- Cyan (99%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (99%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1159, 36.8898, 81.8771 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 30.1159, 36.8898, 81.8771 by changing the saturation by 10% instead.

■ 30.1159, 36.8898,
81.8771

■ 30.1159, 36.8898,
81.8771

294.3445,
332.8332, 521.1092

■ 20.0751, 25.1222,
60.7290

■ 59.2308, 70.4033,
137.8368

■ 12.5582, 16.1681,
43.5774

■ 79.0356, 92.9179,
173.4854

■ 7.1999, 9.6432,
30.0036

■ 102.8257,
119.7837, 214.8047

■ 3.6349, 5.1630,
19.5893

■ 130.9666,
151.3849, 262.2131

■ 1.4977, 2.3432,
11.9157

■ 163.8236,
188.1061, 316.1293

■ 0.3243, 0.7965,
6.5645

201.7619,

■ 0.0000, 0.0000,

230.3316, 376.9716

3.1170

245.1471,
278.4459, 445.1587

■ 0.0000, 0.0000,
1.1547

■ 0.0000, 0.0000,
0.0000

■ 30.1159, 36.8898,
81.8771

■ 30.1159, 36.8898,
81.8771

■ 29.9930, 36.6809,
81.8440

■ 31.6299, 39.3499,
82.2729

■ 33.6411, 42.1351,
82.7045

■ 36.2727, 45.3101,
83.1786

■ 39.6031, 48.9162,
83.6992

■ 43.6987, 52.9884,
84.2693

■ 48.6180, 57.5576,
84.8920

■ 54.4132, 62.6515,
85.5698

■ 61.1325, 68.2956,
86.3050

■ 68.8201, 74.5134,
87.1000

Harmonies

Analogous

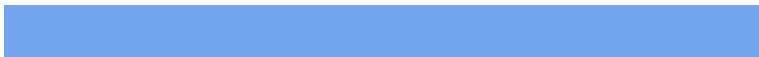
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.8689, 36.8898, 64.3735



30.1159, 36.8898, 81.8771



36.2088, 36.8898, 86.9960

Triad

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



30.1159, 36.8898, 81.8771



48.9356, 36.8898, 37.0061



28.3759, 36.8898, 17.5633

Complementary

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



30.1159, 36.8898, 81.8771



34.8066, 20.1930, 2.1224

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.



33.9409, 36.8898, 14.1446



30.1159, 36.8898, 81.8771



46.2112, 36.8898, 22.9457

Square

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



30.1159, 36.8898, 81.8771



47.5877, 36.8898, 56.9738



40.5234, 36.8898, 15.7582



24.9541, 36.8898, 27.0400

Rectangle

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



30.1159, 36.8898, 81.8771



40.6275, 36.8898, 81.6747



40.5234, 36.8898, 15.7582



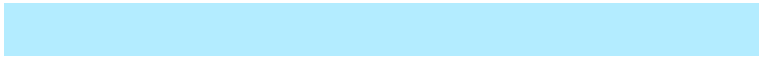
30.0307, 36.8898, 15.8258

Sweetspot

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



30.1172, 36.8910, 81.8780



66.6269, 76.9479, 105.9486



29.5896, 58.0099, 13.3426



13.5909, 15.8864, 22.6000



0.0000, 0.0000, 0.0000



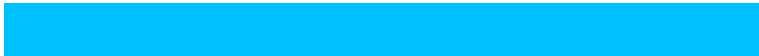
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1172, 36.8910, 81.8780



37.0972, 45.3144, 101.3991



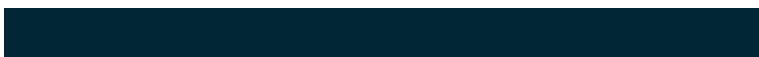
16.3902, 9.4369, 77.3023



14.4945, 15.7104, 18.4128



16.7541, 20.5702, 45.4706



1.3093, 1.6626, 3.3839

Inverse Universe

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



41.1381, 20.3355, 42.8323



50.8542, 25.1057, 52.5574



47.7938, 46.1673, 6.4515



14.8372, 14.5521, 17.3430



22.8502, 11.2743, 23.9038



1.7245, 0.8475, 1.9558

Previews

White Background



This preview shows how the XYZ color 30.1159, 36.8898, 81.8771 looks on a white background.

Color Contrast Check

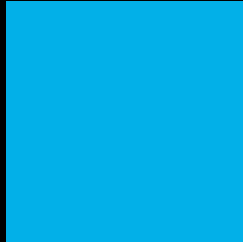
Large Text (above 18pt) WCAG AA × Fail

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 30.1159, 36.8898, 81.8771 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

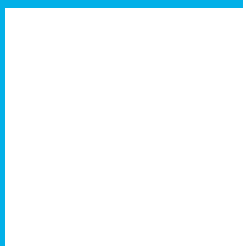
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1159, 36.8898, 81.8771

Background



This preview shows how black text looks on a background with the XYZ color 30.1159, 36.8898, 81.8771.

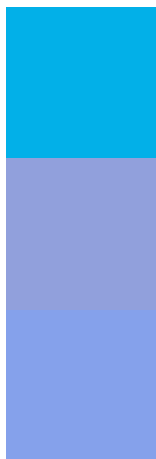


This preview shows how white text looks on a background with the XYZ color 30.1159, 36.8898,

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

30.1159, 36.8898, 81.8771

Protanopia

37.1661, 36.3287, 72.7634

Deuteranopia

37.4131, 36.4744, 83.6656



Tritanopia

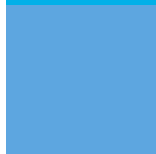
26.2615, 36.9428, 56.7855

Trichromacy



Original Color

30.1159, 36.8898, 81.8771



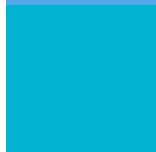
Protanomaly

31.6050, 34.9814, 75.6073



Deuteranomaly

32.2338, 35.1442, 82.9265



Tritanomaly

27.5178, 36.8007, 65.3274

Monochromacy



Original Color

30.1159, 36.8898, 81.8771



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.9760, 25.4965, 40.3750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1159, 36.8898, 81.8771 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(2, 176, 232)` looks like.

```
.text, #text, p{  
    color:rgb(2, 176, 232)  
}
```

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(2, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 176, 232) }
```

Border

The CSS property to change the border of an element to XYZ 30.1159, 36.8898, 81.8771 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(2, 176, 232) }
```


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

```
.border{ border-color:rgb(2, 176, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 176, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(2, 176,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1159, 36.8898, 81.8771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 176, 232) }
```

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

```
.background{ background-color: rgb(2, 176,  
232) }
```

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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