

Converting Colors

XYZ(17.5309, 30.6533, 71.5223)

Have a look what the booklet for
XYZ(17.5309, 30.6533, 71.5223)
contains.

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Color

**XYZ(28.1802, 36.1126,
71.8148)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0DA
RGB	0, 176, 218
RGB Percent	0%, 69%, 85%
CMY	0.9998, 0.3098, 0.1451
CMYK	1.00, 0.19, 0.00, 0.15
HSL	192°, 100%, 43%
HSV	192°, 100%, 85%
XYZ	28.1802, 36.1126, 71.8148
YIQ	128.1640, -118.3780, -24.2500

Conversions

Conversions Part 2

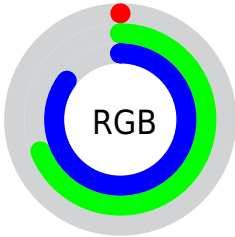
Format	Color
RYB	0, 97, 218
Decimal	45274
CIELab	66.61, -22.65, -31.67
CIELCh	67, 38.938, 234.421
Yxy	36.1126, 0.2070, 0.2653
Android (android.graphics.Color)	4278235354 (0xFF00B0DA)
YUV	128.1640, 44.2891, -112.3998
Hunter-Lab	60.0938, -21.4588, -28.7886

Details

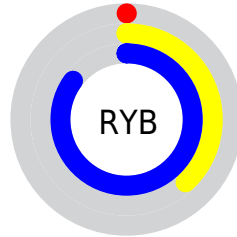
The XYZ color **28.1802, 36.1126, 71.8148** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.7438, 16.5653, 1.6313**, and the grayscale version is **20.4612, 21.5267, 23.4426**.

A 20% lighter version of the original color is **52.7323, 67.9365, 104.9415**, and **13.6938, 16.8103, 37.1733** is the 20% darker color. If you saturate the color by 10%, you get **28.1788, 36.1095, 71.8150**, and if you desaturate by 10%, it is **29.3449, 37.9555, 72.1098**.

Distribution



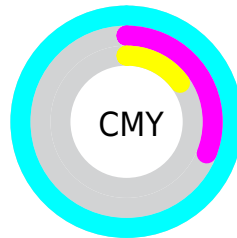
- Red (0%)
- Green (69%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1802, 36.1126, 71.8148 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 28.1802, 36.1126, 71.8148 by changing the saturation by 10% instead.

■ 28.1802, 36.1126,
71.8148

■ 28.1802, 36.1126,
71.8148

285.3915,
329.4524, 485.8569

■ 18.6027, 24.5212,
52.5215

■ 56.1786, 69.2058,
123.4985

■ 11.4858, 15.7207,
37.0358

■ 75.3303, 91.4764,
156.7259

■ 6.4643, 9.3267,
24.9392

■ 98.4040, 118.0755,
195.4351

■ 3.1727, 4.9549,
15.8132

■ 125.7652,
149.3875, 240.0447

■ 1.2458, 2.2208,
9.2391

■ 157.7792,
185.7968, 290.9731

■ 0.1420, 0.7313,
4.7985

194.8113,

■ 0.0000, 0.0000,

227.6878, 348.6389

2.0729

237.2270,
275.4449, 413.4607

■ 0.0000, 0.0000,
0.5996

■ 0.0000, 0.0000,
0.0000

■ 28.1802, 36.1126,
71.8148

■ 28.1802, 36.1126,
71.8148

■ 28.1788, 36.1095,
71.8150

■ 29.3449, 37.9555,
72.1098

■ 30.9034, 40.0389,
72.4298

■ 32.9778, 42.4268,
72.7814

■ 35.6363, 45.1546,
73.1678

■ 38.9360, 48.2521,
73.5918

■ 42.9275, 51.7458,
74.0558

■ 47.6558, 55.6590,
74.5619

■ 53.1621, 60.0134,
75.1122

■ 59.4847, 64.8290,
75.7084

Harmonies

Analogous

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



25.0577, 36.1126, 54.2181



28.1802, 36.1126, 71.8148



33.2409, 36.1126, 80.9438

Triad

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



28.1802, 36.1126, 71.8148



46.7955, 36.1126, 42.5396



29.8755, 36.1126, 16.6591

Complementary

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



28.1802, 36.1126, 71.8148



29.7438, 16.5653, 1.6313

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.



35.4303, 36.1126, 15.1646



28.1802, 36.1126, 71.8148



45.6321, 36.1126, 27.4372

Square

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



28.1802, 36.1126, 71.8148



44.3213, 36.1126, 61.2272



41.3014, 36.1126, 18.4909



25.9558, 36.1126, 23.3831

Rectangle

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



28.1802, 36.1126, 71.8148



37.2055, 36.1126, 79.5546



41.3014, 36.1126, 18.4909



31.5951, 36.1126, 15.6267

Sweetspot

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



28.1814, 36.1139, 71.8157



67.7612, 79.2166, 106.3267



25.4555, 50.2969, 10.3750



13.8643, 16.4330, 22.6911



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.



28.1814, 36.1139, 71.8157



40.0879, 51.2958, 102.3960



14.7881, 9.3272, 67.3513



13.2205, 14.3808, 16.7311



16.9576, 21.7846, 43.0495



1.1545, 1.5230, 2.8076

Inverse Universe

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



36.7510, 18.0414, 42.6207



52.3637, 25.7095, 60.5067



39.6590, 36.3956, 4.9363



13.5012, 13.2296, 15.9005



22.0547, 10.8229, 25.7320



1.4570, 0.7124, 1.8155

Previews

White Background



This preview shows how the XYZ color 28.1802, 36.1126, 71.8148 looks on a white background.

Color Contrast Check

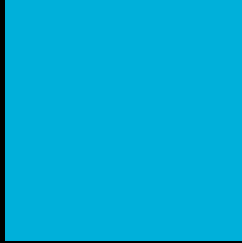
Large Text (above 18pt) WCAG AA × Fail

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 28.1802, 36.1126, 71.8148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

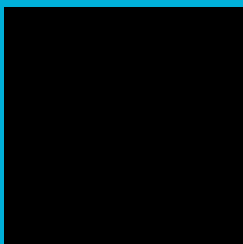
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

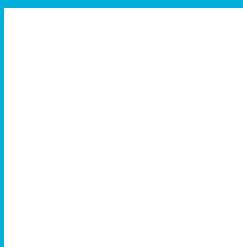
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1802, 36.1126, 71.8148

Background



This preview shows how black text looks on a background with the XYZ color 28.1802, 36.1126, 71.8148.

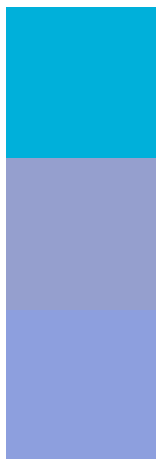


This preview shows how white text looks on a background with the XYZ color 28.1802, 36.1126,

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

28.1802, 36.1126, 71.8148

Protanopia

35.9331, 35.6421, 63.3782

Deuteranopia

36.5675, 35.7329, 74.0771



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



Original Color

28.1802, 36.1126, 71.8148

Protanomaly

29.8073, 33.9963, 65.9637

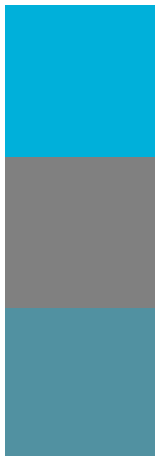
Deuteranomaly

30.7227, 34.3044, 73.4088

Tritanomaly

26.5811, 36.1051, 61.4451

Monochromacy



Original Color

28.1802, 36.1126, 71.8148

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.9518, 24.5733, 37.4098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1802, 36.1126, 71.8148 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, 176, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 218)  
}
```

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, 176, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 218) }
```

Border

The CSS property to change the border of an element to XYZ 28.1802, 36.1126, 71.8148 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, 176, 218) }
```


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

```
.border{ border-color:rgb(0, 176, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1802, 36.1126, 71.8148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 218) }
```

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

```
.background{ background-color: rgb(0, 176,  
218) }
```

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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