

Converting Colors

XYZ(12.1544, 27.2160, 76.5758)

Have a look what the booklet for
XYZ(12.1544, 27.2160, 76.5758)
contains.

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Color

**XYZ(28.8635, 35.7631,
77.3332)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEE2
RGB	0, 174, 226
RGB Percent	0%, 68%, 89%
CMY	0.9998, 0.3176, 0.1137
CMYK	1.00, 0.23, 0.00, 0.11
HSL	194°, 100%, 44%
HSV	194°, 100%, 89%
XYZ	28.8635, 35.7631, 77.3332
YIQ	127.9020, -120.3960, -20.7160

Conversions

Conversions Part 2

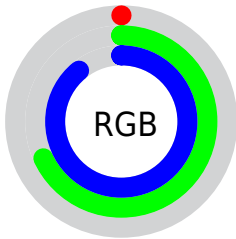
Format	Color
RYB	0, 98, 226
Decimal	44770
CIELab	66.34, -18.83, -36.48
CIELCh	66, 41.053, 242.699
Yxy	35.7631, 0.2033, 0.2519
Android (android.graphics.Color)	4278234850 (0xFF00AEE2)
YUV	127.9020, 48.3623, -112.1701
Hunter-Lab	59.8023, -18.5011, -34.8092

Details

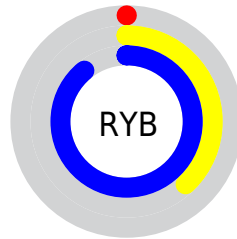
The XYZ color **28.8635, 35.7631, 77.3332** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **32.5951, 18.6299, 1.8796**, and the grayscale version is **20.3577, 21.4179, 23.3241**.

A 20% lighter version of the original color is **52.2907, 66.8778, 104.7604**, and **14.2152, 16.8213, 40.5278** is the 20% darker color. If you saturate the color by 10%, you get **28.8616, 35.7590, 77.3332**, and if you desaturate by 10%, it is **30.2340, 37.9909, 77.6917**.

Distribution



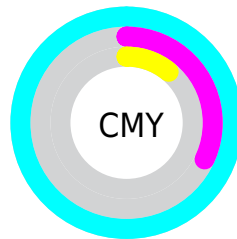
- Red (0%)
- Green (68%)
- Blue (89%)



- Red (0%)
- Yellow (38%)
- Blue (89%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (32%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8635, 35.7631, 77.3332 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 28.8635, 35.7631, 77.3332 by changing the saturation by 10% instead.

■ 28.8635, 35.7631,
77.3332

■ 28.8635, 35.7631,
77.3332

288.5762,
327.9239, 505.3671

■ 19.1213, 24.2513,
57.0132

■ 57.2592, 68.6663,
131.3870

■ 11.8625, 15.5201,
40.6064

■ 76.6435, 90.8264,
165.9579

■ 6.7217, 9.1852,
27.6943

■ 99.9725, 117.3048,
206.1162

■ 3.3334, 4.8622,
17.8583

■ 127.6116,
148.4858, 252.2804

■ 1.3324, 2.1666,
10.6799

■ 159.9262,
184.7538, 304.8690

■ 0.2073, 0.7017,
5.7406

197.2816,

■ 0.0000, 0.0000,

226.4932, 364.3007

2.6218

240.0431,
274.0885, 430.9939

■ 0.0000, 0.0000,
0.9037

■ 0.0000, 0.0000,
0.0000

■ 28.8635, 35.7631,
77.3332

■ 28.8635, 35.7631,
77.3332

■ 28.8616, 35.7590,
77.3332

■ 30.2340, 37.9909,
77.6917

■ 32.0457, 40.5040,
78.0813

■ 34.4296, 43.3711,
78.5091

■ 37.4604, 46.6313,
78.9786

■ 41.2010, 50.3177,
79.4930

■ 45.7066, 54.4593,
80.0549

■ 51.0267, 59.0822,
80.6668

■ 57.2064, 64.2103,
81.3310

■ 64.2877, 69.8658,
82.0493

Harmonies

Analogous

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



25.0004, 35.7631, 60.1892



28.8635, 35.7631, 77.3332



34.5502, 35.7631, 83.3699

Triad

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



28.8635, 35.7631, 77.3332



47.1881, 35.7631, 37.3707



28.0094, 35.7631, 16.8687

Complementary

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



28.8635, 35.7631, 77.3332



32.5951, 18.6299, 1.8796

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.



33.4393, 35.7631, 14.0045



28.8635, 35.7631, 77.3332



44.9155, 35.7631, 23.3927

Square

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



28.8635, 35.7631, 77.3332



45.5877, 35.7631, 56.5803



39.6941, 35.7631, 15.9743



24.5505, 35.7631, 25.4097

Rectangle

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



28.8635, 35.7631, 77.3332



38.7498, 35.7631, 79.1586



39.6941, 35.7631, 15.9743



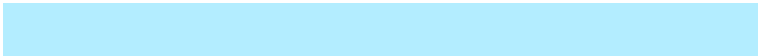
29.6401, 35.7631, 15.3497

Sweetspot

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



28.8648, 35.7643, 77.3341



66.9235, 77.5412, 106.0474



27.7519, 54.6155, 11.9860



13.6623, 16.0291, 22.6238



0.0000, 0.0000, 0.0000



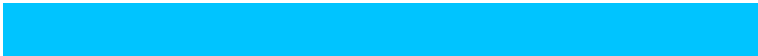
20.3446, 21.4041, 23.3091

Same Dimension

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



28.8648, 35.7643, 77.3341



37.8609, 46.8419, 101.6536



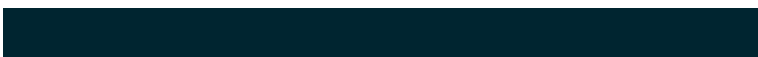
15.5658, 9.1665, 72.9011



13.8352, 15.0094, 17.5556



16.5594, 20.5884, 44.1495



1.2138, 1.5590, 3.0822

Inverse Universe

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



39.0051, 19.2262, 41.7007



51.2397, 25.2599, 54.5874



44.2820, 42.0038, 5.7752



14.1530, 13.8788, 16.5759



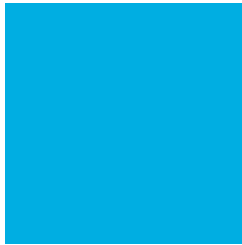
22.2986, 10.9865, 24.0361



1.5789, 0.7748, 1.8414

Previews

White Background



This preview shows how the XYZ color 28.8635, 35.7631, 77.3332 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 28.8635, 35.7631, 77.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

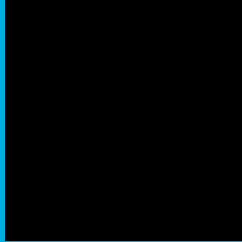
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8635, 35.7631, 77.3332

Background



This preview shows how black text looks on a background with the XYZ color 28.8635, 35.7631, 77.3332.

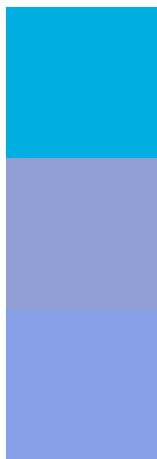


This preview shows how white text looks on a background with the XYZ color 28.8635, 35.7631,

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

28.8635, 35.7631, 77.3332

Protanopia

36.0415, 35.3285, 68.5378

Deuteranopia

36.5126, 35.5778, 79.8057



Tritanopia

25.4348, 35.6466, 55.4091

Trichromacy



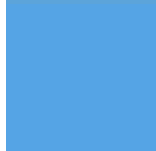
Original Color

28.8635, 35.7631, 77.3332



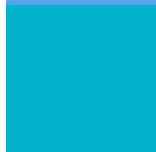
Protanomaly

30.3440, 33.8882, 71.2714



Deuteranomaly

31.1646, 34.1394, 79.0757



Tritanomaly

26.6212, 35.8039, 62.6345

Monochromacy



Original Color

28.8635, 35.7631, 77.3332



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

20.2196, 24.6805, 38.8201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8635, 35.7631, 77.3332 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, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 226)  
}
```

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, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 226) }
```

Border

The CSS property to change the border of an element to XYZ 28.8635, 35.7631, 77.3332 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, 174, 226) }
```


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

```
.border{ border-color:rgb(0, 174, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8635, 35.7631, 77.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 226) }
```

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

```
.background{ background-color: rgb(0, 174,  
226) }
```

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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