

Converting Colors

XYZ(28.4212, 35.2281, 76.1075)

Have a look what the booklet for
XYZ(28.4212, 35.2281, 76.1075)
contains.

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Color

**XYZ(28.3981, 35.2690,
75.8319)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADE0
RGB	0, 173, 224
RGB Percent	0%, 68%, 88%
CMY	0.9998, 0.3216, 0.1216
CMYK	1.00, 0.23, 0.00, 0.12
HSL	194°, 100%, 44%
HSV	194°, 100%, 88%
XYZ	28.3981, 35.2690, 75.8319
YIQ	127.0870, -119.4790, -20.8150

Conversions

Conversions Part 2

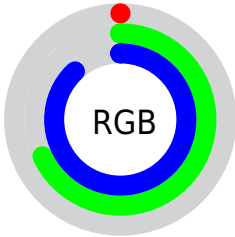
Format	Color
RYB	0, 98, 224
Decimal	44512
CIELab	65.96, -19.00, -35.97
CIELCh	66, 40.685, 242.155
Yxy	35.2690, 0.2036, 0.2528
Android (android.graphics.Color)	4278234592 (0xFF00ADE0)
YUV	127.0870, 47.7781, -111.4553
Hunter-Lab	59.3877, -18.5731, -34.1357

Details

The XYZ color **28.3981, 35.2690, 75.8319** 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 **31.9272, 18.2197, 1.8355**, and the grayscale version is **20.0790, 21.1247, 23.0048**.

A 20% lighter version of the original color is **52.0132, 66.3228, 104.6679**, and **13.9988, 16.5393, 39.9907** is the 20% darker color. If you saturate the color by 10%, you get **28.3964, 35.2653, 75.8320**, and if you desaturate by 10%, it is **29.7366, 37.4395, 76.1810**.

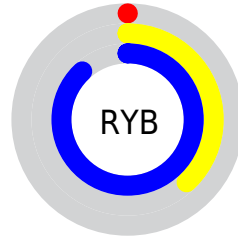
Distribution



Red (0%)

Green (68%)

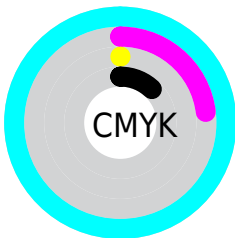
Blue (88%)



Red (0%)

Yellow (38%)

Blue (88%)

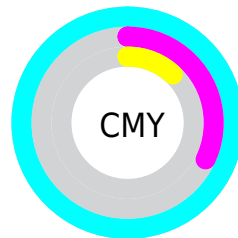


Cyan (100%)

Magenta (23%)

Yellow (0%)

Black (12%)



Cyan (100%)

Magenta (32%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3981, 35.2690, 75.8319 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 28.3981, 35.2690, 75.8319 by changing the saturation by 10% instead.

■ 28.3981, 35.2690,
75.8319

■ 28.3981, 35.2690,
75.8319

286.4100,
325.7541, 500.1036

■ 18.7680, 23.8702,
55.7888

■ 56.5236, 67.9023,
129.2472

■ 11.6057, 15.2373,
39.6308

■ 75.7497, 89.9055,
163.4565

■ 6.5461, 8.9861,
26.9392

■ 98.9051, 116.2123,
203.2249

■ 3.2237, 4.7321,
17.2955

■ 126.3553,
147.2071, 248.9711

■ 1.2731, 2.0910,
10.2812

■ 158.4655,
183.2743, 301.1135

■ 0.1630, 0.6595,
5.4778

195.6011,

■ 0.0000, 0.0000,

224.7983, 360.0707

2.4666

238.1275,
272.1634, 426.2612

■ 0.0000, 0.0000,
0.8224

■ 0.0000, 0.0000,
0.0000

■ 28.3981, 35.2690,
75.8319

■ 28.3981, 35.2690,
75.8319

■ 28.3964, 35.2653,
75.8320

■ 29.7366, 37.4395,
76.1810

■ 31.5061, 39.8878,
76.5603

■ 33.8353, 42.6812,
76.9767

■ 36.7974, 45.8581,
77.4338

■ 40.4538, 49.4507,
77.9346

■ 44.8585, 53.4875,
78.4816

■ 50.0600, 57.9938,
79.0773

■ 56.1024, 62.9932,
79.7238

■ 63.0267, 68.5072,
80.4231

Harmonies

Analogous

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



24.6416, 35.2690, 58.8987



28.3981, 35.2690, 75.8319



33.9595, 35.2690, 82.0003

Triad

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



28.3981, 35.2690, 75.8319



46.4791, 35.2690, 37.1683



27.7282, 35.2690, 16.6087

Complementary

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



28.3981, 35.2690, 75.8319



31.9272, 18.2197, 1.8355

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.



33.0885, 35.2690, 13.8775



28.3981, 35.2690, 75.8319



44.3148, 35.2690, 23.3154

Square

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



28.3981, 35.2690, 75.8319



44.8414, 35.2690, 56.0723



39.2282, 35.2690, 15.9056



24.2886, 35.2690, 24.8988

Rectangle

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



28.3981, 35.2690, 75.8319



38.0823, 35.2690, 78.0436



39.2282, 35.2690, 15.9056



29.3414, 35.2690, 15.1448

Sweetspot

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



28.3993, 35.2702, 75.8328



66.9771, 77.6484, 106.0653



27.2020, 53.5304, 11.7576



13.6752, 16.0550, 22.6281



0.0000, 0.0000, 0.0000



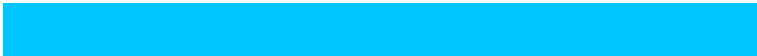
20.3446, 21.4041, 23.3091

Same Dimension

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



28.3993, 35.2702, 75.8328



38.0004, 47.1207, 101.7001



15.2609, 8.9934, 71.4533



13.8381, 15.0152, 17.5566



16.6190, 20.7076, 44.1694



1.2174, 1.5664, 3.0834

Inverse Universe

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



38.2844, 18.8658, 41.1599



51.3100, 25.2880, 54.9580



43.4073, 41.1799, 5.6622



14.1545, 13.8794, 16.5837



22.3287, 10.9985, 24.1946



1.5808, 0.7756, 1.8512

Previews

White Background



This preview shows how the XYZ color 28.3981, 35.2690, 75.8319 looks on a white background.

Color Contrast Check

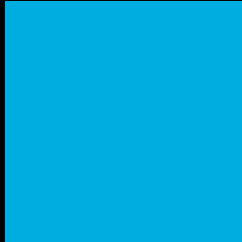
Large Text (above 18pt) WCAG AA × Fail

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 28.3981, 35.2690, 75.8319 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 28.3981, 35.2690, 75.8319

Background



This preview shows how black text looks on a background with the XYZ color 28.3981, 35.2690, 75.8319.

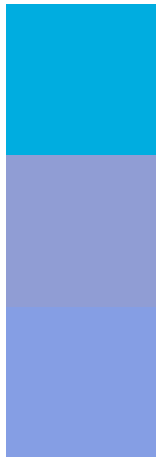


This preview shows how white text looks on a background with the XYZ color 28.3981, 35.2690,

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

28.3981, 35.2690, 75.8319

Protanopia

35.4422, 34.7967, 67.1358

Deuteranopia

35.9033, 35.0417, 78.2702



Tritanopia

25.1261, 35.2059, 54.7613

Trichromacy



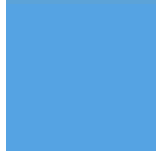
Original Color

28.3981, 35.2690, 75.8319



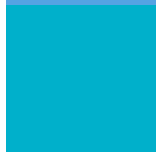
Protanomaly

29.9055, 33.4276, 69.8417



Deuteranomaly

30.7086, 33.6717, 77.5538



Tritanomaly

26.3048, 35.3625, 61.9391

Monochromacy



Original Color

28.3981, 35.2690, 75.8319



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.8882, 24.3045, 37.8254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3981, 35.2690, 75.8319 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, 173, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 224)  
}
```

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, 173, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 224) }
```

Border

The CSS property to change the border of an element to XYZ 28.3981, 35.2690, 75.8319 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, 173, 224) }
```


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

```
.border{ border-color:rgb(0, 173, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3981, 35.2690, 75.8319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 224) }
```

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

```
.background{ background-color: rgb(0, 173,  
224) }
```

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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