

Converting Colors

XYZ(26.2632, 33.3721, 85.3300)

Have a look what the booklet for
XYZ(26.2632, 33.3721, 85.3300)
contains.

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Color

**XYZ(29.8490, 35.2402,
85.3496)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABED
RGB	0, 171, 237
RGB Percent	0%, 67%, 93%
CMY	0.9997, 0.3294, 0.0706
CMYK	1.00, 0.28, 0.00, 0.07
HSL	197°, 100%, 46%
HSV	197°, 100%, 93%
XYZ	29.8490, 35.2402, 85.3496
YIQ	127.3950, -123.1020, -15.7260

Conversions

Conversions Part 2

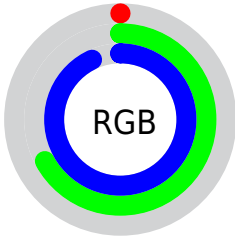
Format	Color
RYB	0, 99, 237
Decimal	44013
CIELab	65.94, -13.31, -43.14
CIELCh	66, 45.146, 252.855
Yxy	35.2402, 0.1984, 0.2342
Android (android.graphics.Color)	4278234093 (0xFF00ABED)
YUV	127.3950, 54.0353, -111.7254
Hunter-Lab	59.3635, -14.1331, -43.6896

Details

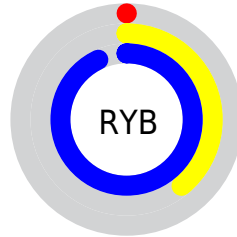
The XYZ color **29.8490, 35.2402, 85.3496** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **36.8780, 21.9094, 2.2873**, and the grayscale version is **20.1664, 21.2166, 23.1049**.

A 20% lighter version of the original color is **51.4307, 64.8009, 104.4049**, and **14.9373, 16.5298, 46.1194** is the 20% darker color. If you saturate the color by 10%, you get **29.8457, 35.2336, 85.3492**, and if you desaturate by 10%, it is **31.4991, 37.9891, 85.7940**.

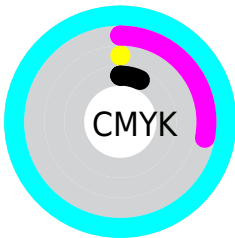
Distribution



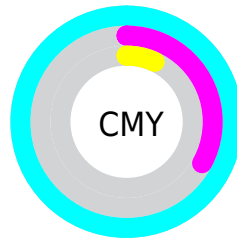
- Red (0%)
- Green (67%)
- Blue (93%)



- Red (0%)
- Yellow (39%)
- Blue (93%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8490, 35.2402, 85.3496 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 29.8490, 35.2402, 85.3496 by changing the saturation by 10% instead.

■ 29.8490, 35.2402,
85.3496

■ 29.8490, 35.2402,
85.3496

293.1224,
325.6273, 532.9589

■ 19.8715, 23.8480,
63.5785

■ 58.8116, 67.8577,
142.7400

■ 12.4094, 15.2209,
45.8653

■ 78.5274, 89.8518,
179.1964

■ 7.0973, 8.9746,
31.7917

■ 102.2199,
116.1486, 221.3849

■ 3.5699, 4.7246,
20.9389

■ 130.2547,
147.1325, 269.7241

■ 1.4618, 2.0866,
12.8886

■ 162.9970,
183.1879, 324.6326

■ 0.2996, 0.6571,
7.2220

200.8121,

■ 0.0000, 0.0000,

224.6993, 386.5289

3.5208

244.0655,
272.0509, 455.8315

■ 0.0000, 0.0000,
1.3663

■ 0.0000, 0.0000,
0.1152

■ 29.8490, 35.2402,
85.3496

■ 29.8490, 35.2402,
85.3496

■ 29.8457, 35.2336,
85.3492

■ 31.4991, 37.9891,
85.7940

■ 33.6635, 41.0964,
86.2797

■ 36.4860, 44.6381,
86.8145

■ 40.0514, 48.6590,
87.4027

■ 44.4306, 53.1971,
88.0478

■ 49.6862, 58.2857,
88.7530

■ 55.8742, 63.9548,
89.5211

■ 63.0457, 70.2321,
90.3548

■ 71.2479, 77.1430,
91.2564

Harmonies

Analogous

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



24.9332, 35.2402, 69.2230



29.8490, 35.2402, 85.3496



36.4345, 35.2402, 86.5701

Triad

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



29.8490, 35.2402, 85.3496



47.6432, 35.2402, 30.7545



25.4960, 35.2402, 17.2273

Complementary

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



29.8490, 35.2402, 85.3496



36.8780, 21.9094, 2.2873

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.



30.7176, 35.2402, 12.5195



29.8490, 35.2402, 85.3496



43.8211, 35.2402, 18.3947

Square

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



29.8490, 35.2402, 85.3496



47.3291, 35.2402, 50.2691



37.4259, 35.2402, 12.8604



22.6589, 35.2402, 28.5155

Rectangle

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



29.8490, 35.2402, 85.3496



40.9576, 35.2402, 78.3118



37.4259, 35.2402, 12.8604



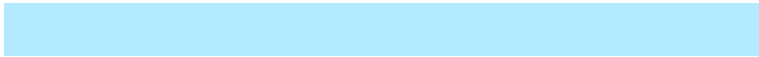
26.9984, 35.2402, 15.0216

Sweetspot

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



29.8503, 35.2414, 85.3505



65.8597, 75.4136, 105.6928



31.1896, 60.9311, 14.8566



13.4066, 15.5177, 22.5386



0.0000, 0.0000, 0.0000



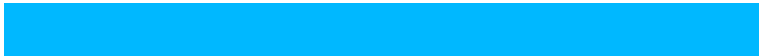
20.3446, 21.4041, 23.3091

Same Dimension

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



29.8503, 35.2414, 85.3505



35.1837, 41.4874, 100.7612



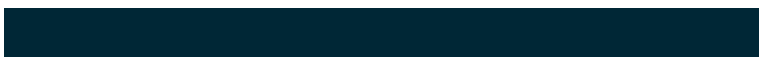
16.6701, 8.8810, 80.9571



15.1424, 16.3713, 19.2841



16.4106, 19.4681, 46.6358



1.3689, 1.6892, 3.6888

Inverse Universe

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



42.2770, 20.9465, 40.3437



49.8883, 24.7193, 47.4714



51.5958, 51.3450, 7.1932



15.5254, 15.2380, 18.0522



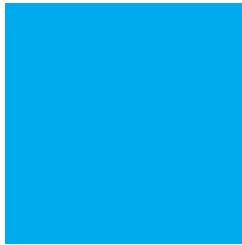
23.1386, 11.4581, 22.3289



1.8574, 0.9159, 1.9666

Previews

White Background



This preview shows how the XYZ color 29.8490, 35.2402, 85.3496 looks on a white background.

Color Contrast Check

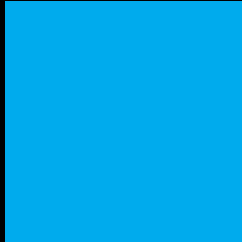
Large Text (above 18pt) WCAG AA × Fail

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 29.8490, 35.2402, 85.3496 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

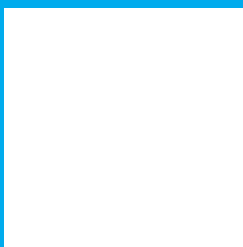
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8490, 35.2402, 85.3496

Background



This preview shows how black text looks on a background with the XYZ color 29.8490, 35.2402, 85.3496.

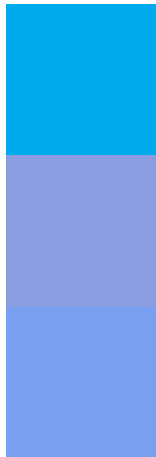


This preview shows how white text looks on a background with the XYZ color 29.8490, 35.2402,

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

29.8490, 35.2402, 85.3496

Protanopia

36.1288, 34.9535, 76.0767

Deuteranopia

36.0115, 35.1525, 87.3252



Tritanopia

25.0164, 35.1620, 54.1836

Trichromacy



Original Color

29.8490, 35.2402, 85.3496



Protanomaly

31.0877, 33.5725, 78.9704



Deuteranomaly

31.7377, 34.0042, 86.5521



Tritanomaly

26.5925, 35.1649, 64.4174

Monochromacy



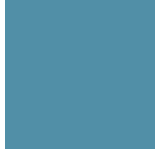
Original Color

29.8490, 35.2402, 85.3496



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

20.1909, 24.1843, 40.1631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8490, 35.2402, 85.3496 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, 171, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 237)  
}
```

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, 171, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 237) }
```

Border

The CSS property to change the border of an element to XYZ 29.8490, 35.2402, 85.3496 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, 171, 237) }
```


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

```
.border{ border-color:rgb(0, 171, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 171, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8490, 35.2402, 85.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 237) }
```

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

```
.background{ background-color: rgb(0, 171,  
237) }
```

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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