

Converting Colors

XYZ(18.8591, 29.2643, 85.7287)

Have a look what the booklet for
XYZ(18.8591, 29.2643, 85.7287)
contains.

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Color

**XYZ(29.8073, 34.9225,
86.0586)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAEE
RGB	0, 170, 238
RGB Percent	0%, 67%, 93%
CMY	0.9998, 0.3333, 0.0667
CMYK	1.00, 0.29, 0.00, 0.07
HSL	197°, 100%, 47%
HSV	197°, 100%, 93%
XYZ	29.8073, 34.9225, 86.0586
YIQ	126.9220, -123.1480, -14.8920

Conversions

Conversions Part 2

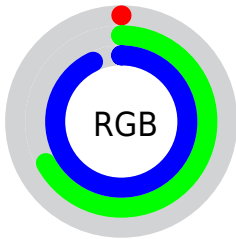
Format	Color
RYB	0, 99, 238
Decimal	43758
CIELab	65.69, -12.40, -44.07
CIELCh	66, 45.786, 254.283
Yxy	34.9225, 0.1977, 0.2316
Android (android.graphics.Color)	4278233838 (0xFF00AAEE)
YUV	126.9220, 54.7615, -111.3106
Hunter-Lab	59.0953, -13.3824, -44.9755

Details

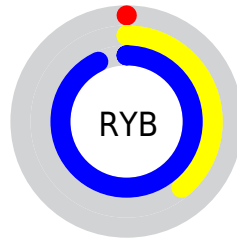
The XYZ color **29.8073, 34.9225, 86.0586** is a dark color, and the websafe version is hex **0099CC**, and the color name is **vivid cerulean**. The color can be described as middle washed azure. A complement of this color would be **37.3313, 22.3189, 2.3422**, and the grayscale version is **20.0011, 21.0428, 22.9156**.

A 20% lighter version of the original color is **51.2819, 64.3216, 104.3202**, and **14.9219, 16.3343, 46.6223** is the 20% darker color. If you saturate the color by 10%, you get **29.8046, 34.9167, 86.0584**, and if you desaturate by 10%, it is **31.4895, 37.7323, 86.5130**.

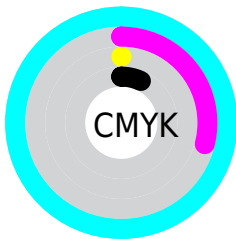
Distribution



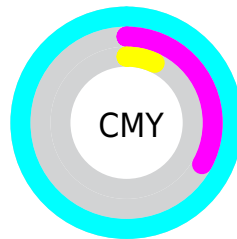
- Red (0%)
- Green (67%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8073, 34.9225, 86.0586 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 29.8073, 34.9225, 86.0586 by changing the saturation by 10% instead.

■ 29.8073, 34.9225,
86.0586

■ 29.8073, 34.9225,
86.0586

292.9312,
324.2261, 535.3601

■ 19.8397, 23.6032,
64.1613

■ 58.7460, 67.3657,
143.7385

■ 12.3862, 15.0395,
46.3343

■ 78.4479, 89.2584,
180.3582

■ 7.0813, 8.8471,
32.1591

■ 102.1252,
115.4443, 222.7224

■ 3.5598, 4.6416,
21.2172

■ 130.1433,
146.3078, 271.2496

■ 1.4562, 2.0386,
13.0901

■ 162.8676,
182.2333, 326.3585

■ 0.2958, 0.6297,
7.3592

200.6635,

■ 0.0000, 0.0000,

223.6053, 388.4675

3.6059

243.8962,
270.8081, 457.9952

■ 0.0000, 0.0000,
1.4117

■ 0.0000, 0.0000,
0.1508

■ 29.8073, 34.9225,
86.0586

■ 29.8073, 34.9225,
86.0586

■ 29.8046, 34.9167,
86.0584

■ 31.4895, 37.7323,
86.5130

■ 33.6943, 40.9104,
87.0103

■ 36.5669, 44.5336,
87.5582

■ 40.1929, 48.6473,
88.1611

■ 44.6442, 53.2899,
88.8226

■ 49.9840, 58.4954,
89.5459

■ 56.2690, 64.2943,
90.3340

■ 63.5508, 70.7145,
91.1894

■ 71.8774, 77.7819,
92.1147

Harmonies

Analogous

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



24.7590, 34.9225, 70.2387



29.8073, 34.9225, 86.0586



36.4910, 34.9225, 86.4733

Triad

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



29.8073, 34.9225, 86.0586



47.3890, 34.9225, 29.5897



24.9479, 34.9225, 17.1755

Complementary

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



29.8073, 34.9225, 86.0586



37.3313, 22.3189, 2.3422

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.



30.0995, 34.9225, 12.2197



29.8073, 34.9225, 86.0586



43.3525, 34.9225, 17.5647

Square

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



29.8073, 34.9225, 86.0586



47.2827, 34.9225, 48.9807



36.8254, 34.9225, 12.3328



22.2233, 34.9225, 28.8378

Rectangle

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



29.8073, 34.9225, 86.0586



41.0339, 34.9225, 77.6334



36.8254, 34.9225, 12.3328



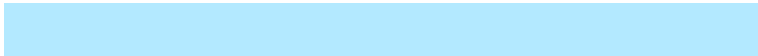
26.4202, 34.9225, 14.8770

Sweetspot

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



29.8086, 34.9237, 86.0595



65.7029, 75.1000, 105.6406



31.6031, 61.5610, 15.6024



13.3690, 15.4425, 22.5260



0.0000, 0.0000, 0.0000



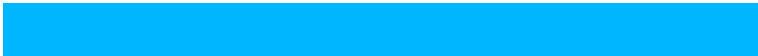
20.3446, 21.4041, 23.3091

Same Dimension

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



29.8086, 34.9237, 86.0595



34.8037, 40.7273, 100.6346



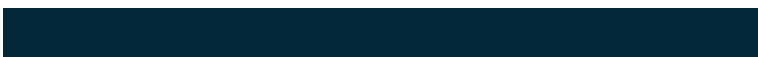
16.6444, 8.5952, 81.6714



15.8435, 17.1211, 20.1913



16.7437, 19.7116, 48.0501



1.4773, 1.8086, 4.0255

Inverse Universe

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



42.5167, 21.0810, 39.8593



49.6965, 24.6426, 46.4612



52.9138, 53.4840, 7.5363



16.2504, 15.9499, 18.8750



23.7770, 11.7832, 22.5403



2.0206, 0.9973, 2.0995

Previews

White Background



This preview shows how the XYZ color 29.8073, 34.9225, 86.0586 looks on a white background.

Color Contrast Check

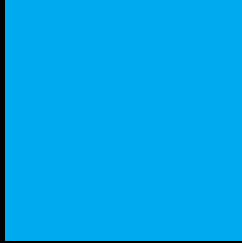
Large Text (above 18pt) WCAG AA × Fail

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 29.8073, 34.9225, 86.0586 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

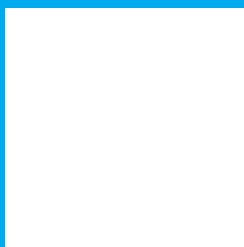
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8073, 34.9225, 86.0586

Background



This preview shows how black text looks on a background with the XYZ color 29.8073, 34.9225, 86.0586.

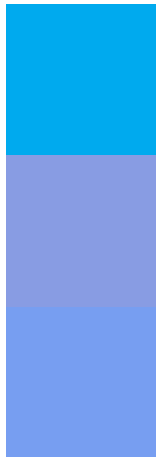


This preview shows how white text looks on a background with the XYZ color 29.8073, 34.9225,

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

29.8073, 34.9225, 86.0586

Protanopia

35.9069, 34.5572, 77.4508

Deuteranopia

35.7118, 34.7265, 88.0398



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

29.8073, 34.9225, 86.0586



Protanomaly

31.0992, 33.2855, 80.3869



Deuteranomaly

31.6290, 33.6684, 87.2697



Tritanomaly

26.3985, 34.7771, 64.3528

Monochromacy



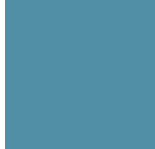
Original Color

29.8073, 34.9225, 86.0586



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 29.8073, 34.9225, 86.0586 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, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 238)  
}
```

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, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 238) }
```

Border

The CSS property to change the border of an element to XYZ 29.8073, 34.9225, 86.0586 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, 170, 238) }
```


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

```
.border{ border-color:rgb(0, 170, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8073, 34.9225, 86.0586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 238) }
```

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

```
.background{ background-color: rgb(0, 170,  
238) }
```

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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