

Converting Colors

XYZ(13.2197, 27.2306, 79.8224)

Have a look what the booklet for
XYZ(13.2197, 27.2306, 79.8224)
contains.

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Color

**XYZ(29.3674, 35.6567,
80.9359)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADE7
RGB	0, 173, 231
RGB Percent	0%, 68%, 91%
CMY	0.9998, 0.3216, 0.0941
CMYK	1.00, 0.25, 0.00, 0.09
HSL	195°, 100%, 45%
HSV	195°, 100%, 91%
XYZ	29.3674, 35.6567, 80.9359
YIQ	127.8850, -121.7260, -18.6380

Conversions

Conversions Part 2

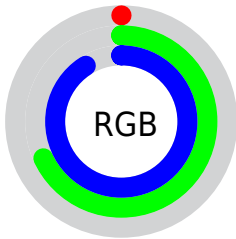
Format	Color
RYB	0, 99, 231
Decimal	44519
CIELab	66.26, -16.53, -39.35
CIELCh	66, 42.682, 247.211
Yxy	35.6567, 0.2012, 0.2443
Android (android.graphics.Color)	4278234599 (0xFF00ADE7)
YUV	127.8850, 50.8357, -112.1551
Hunter-Lab	59.7132, -16.7106, -38.5630

Details

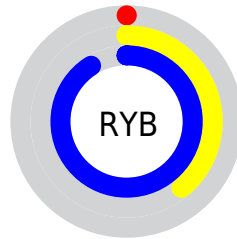
The XYZ color **29.3674, 35.6567, 80.9359** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **34.4718, 20.0215, 2.0494**, and the grayscale version is **20.3446, 21.4041, 23.3090**.

A 20% lighter version of the original color is **51.8568, 65.8326, 104.5816**, and **14.5752, 16.7699, 43.0262** is the 20% darker color. If you saturate the color by 10%, you get **29.3649, 35.6515, 80.9358**, and if you desaturate by 10%, it is **30.8618, 38.1151, 81.3324**.

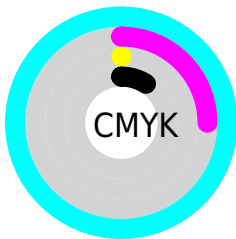
Distribution



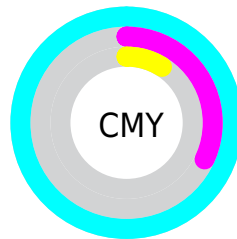
- Red (0%)
- Green (68%)
- Blue (91%)



- Red (0%)
- Yellow (39%)
- Blue (91%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3674, 35.6567, 80.9359 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 29.3674, 35.6567, 80.9359 by changing the saturation by 10% instead.

■ 29.3674, 35.6567,
80.9359

■ 29.3674, 35.6567,
80.9359

290.9076,
327.4575, 517.8710

■ 19.5046, 24.1692,
59.9581

■ 58.0538, 68.5019,
136.5040

■ 12.1416, 15.4592,
42.9598

■ 77.6082, 90.6283,
171.9314

■ 6.9131, 9.1423,
29.5224

■ 101.1238,
117.0698, 213.0125

■ 3.4537, 4.8341,
19.2274

■ 128.9659,
148.2108, 260.1657

■ 1.3980, 2.1503,
11.6562

■ 161.5000,
184.4357, 313.8096

■ 0.2548, 0.6927,
6.3904

199.0914,

■ 0.0000, 0.0000,

226.1288, 374.3628

3.0113

242.1055,
273.6747, 442.2437

■ 0.0000, 0.0000,
1.1004

■ 0.0000, 0.0000,
0.0000

■ 29.3674, 35.6567,
80.9359

■ 29.3674, 35.6567,
80.9359

■ 29.3649, 35.6515,
80.9358

■ 30.8618, 38.1151,
81.3324

■ 32.8289, 40.8894,
81.7642

■ 35.4056, 44.0513,
82.2387

■ 38.6707, 47.6425,
82.7598

■ 42.6911, 51.6981,
83.3307

■ 47.5249, 56.2490,
83.9544

■ 53.2246, 61.3232,
84.6334

■ 59.8380, 66.9459,
85.3701

■ 67.4093, 73.1409,
86.1668

Harmonies

Analogous

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



25.0477, 35.6567, 64.1141



29.3674, 35.6567, 80.9359



35.4502, 35.6567, 85.0157

Triad

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



29.3674, 35.6567, 80.9359



47.5411, 35.6567, 34.5885



27.0147, 35.6567, 17.0641

Complementary

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



29.3674, 35.6567, 80.9359



34.4718, 20.0215, 2.0494

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.



32.3775, 35.6567, 13.3983



29.3674, 35.6567, 80.9359



44.6027, 35.6567, 21.2501

Square

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



29.3674, 35.6567, 80.9359



46.4731, 35.6567, 54.0458



38.8560, 35.6567, 14.6450



23.8127, 35.6567, 26.7679

Rectangle

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



29.3674, 35.6567, 80.9359



39.8009, 35.6567, 79.0852



38.8560, 35.6567, 14.6450



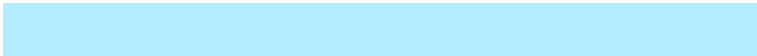
28.5964, 35.6567, 15.2498

Sweetspot

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



29.3687, 35.6579, 80.9368



66.4593, 76.6128, 105.8927



29.3355, 57.4562, 13.5199



13.5507, 15.8058, 22.5866



0.0000, 0.0000, 0.0000



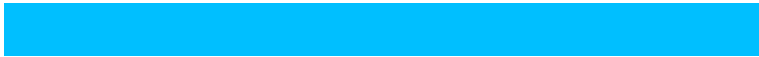
20.3446, 21.4041, 23.3091

Same Dimension

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



29.3687, 35.6579, 80.9368



36.6717, 44.4634, 101.2572



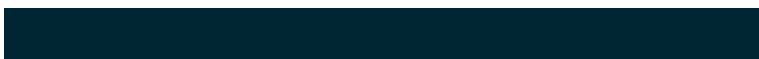
15.9275, 8.7756, 76.4564



14.4849, 15.6912, 18.4096



16.5659, 20.1938, 45.4079



1.2968, 1.6375, 3.3797

Inverse Universe

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



40.4990, 20.0076, 41.2635



50.6394, 25.0198, 51.4265



47.9503, 46.9786, 6.5423



14.8323, 14.5501, 17.3175



22.7552, 11.2363, 23.4036



1.7182, 0.8450, 1.9225

Previews

White Background



This preview shows how the XYZ color 29.3674, 35.6567, 80.9359 looks on a white background.

Color Contrast Check

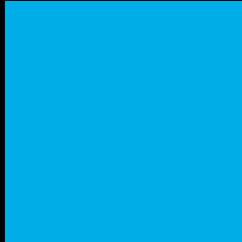
Large Text (above 18pt) WCAG AA × Fail

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 29.3674, 35.6567, 80.9359 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 29.3674, 35.6567, 80.9359

Background



This preview shows how black text looks on a background with the XYZ color 29.3674, 35.6567, 80.9359.

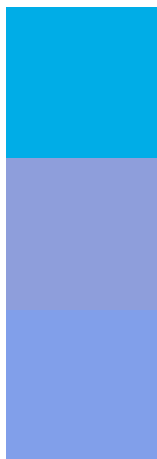


This preview shows how white text looks on a background with the XYZ color 29.3674, 35.6567,

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

29.3674, 35.6567, 80.9359

Protanopia

36.1684, 35.3190, 71.9288

Deuteranopia

36.3027, 35.4039, 82.7622



Tritanopia

25.3244, 35.6024, 54.8274

Trichromacy



Original Color

29.3674, 35.6567, 80.9359



Protanomaly

30.6329, 33.6958, 74.7014



Deuteranomaly

31.4631, 34.2279, 82.0392



Tritanomaly

26.6659, 35.5069, 63.8406

Monochromacy



Original Color

29.3674, 35.6567, 80.9359



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

20.1581, 24.4125, 39.2469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3674, 35.6567, 80.9359 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 231) }
```

Border

The CSS property to change the border of an element to XYZ 29.3674, 35.6567, 80.9359 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, 231) }
```


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

```
.border{ border-color:rgb(0, 173, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3674, 35.6567, 80.9359 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, 231) }
```

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

```
.background{ background-color: rgb(0, 173,  
231) }
```

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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