

Converting Colors

XYZ(29.5913, 37.0094, 78.2208)

Have a look what the booklet for
XYZ(29.5913, 37.0094, 78.2208)
contains.

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Color

**XYZ(29.5873, 36.9903,
78.2535)**

Conversions

Conversions Part 1

Format	Color
Hex	00B1E3
RGB	0, 177, 227
RGB Percent	0%, 69%, 89%
CMY	0.9998, 0.3059, 0.1098
CMYK	1.00, 0.22, 0.00, 0.11
HSL	193°, 100%, 45%
HSV	193°, 100%, 89%
XYZ	29.5873, 36.9903, 78.2535
YIQ	129.7770, -121.5420, -21.9740

Conversions

Conversions Part 2

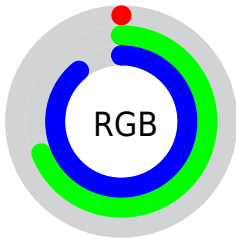
Format	Color
RYB	0, 99, 227
Decimal	45539
CIELab	67.27, -20.06, -35.58
CIELCh	67, 40.843, 240.589
Yxy	36.9903, 0.2043, 0.2554
Android (android.graphics.Color)	4278235619 (0xFF00B1E3)
YUV	129.7770, 47.9309, -113.8144
Hunter-Lab	60.8197, -19.5984, -33.7116

Details

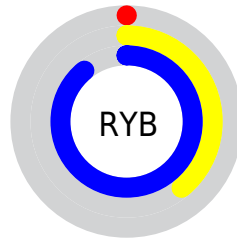
The XYZ color **29.5873, 36.9903, 78.2535** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **32.8225, 18.6178, 1.8655**, and the grayscale version is **21.0134, 22.1077, 24.0753**.

A 20% lighter version of the original color is **53.2523, 68.6236, 105.0467**, and **14.5583, 17.3556, 41.1107** is the 20% darker color. If you saturate the color by 10%, you get **29.5850, 36.9857, 78.2535**, and if you desaturate by 10%, it is **30.9418, 39.1827, 78.6060**.

Distribution



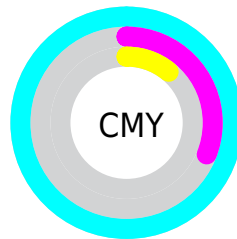
- Red (0%)
- Green (69%)
- Blue (89%)



- Red (0%)
- Yellow (39%)
- Blue (89%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5873, 36.9903, 78.2535 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 29.5873, 36.9903, 78.2535 by changing the saturation by 10% instead.

■ 29.5873, 36.9903,
78.2535

■ 29.5873, 36.9903,
78.2535

291.9205,
333.2685, 508.5780

■ 19.6721, 25.2000,
57.7646

■ 58.4000, 70.5579,
132.6965

■ 12.2638, 16.2261,
41.2060

■ 78.0282, 93.1039,
167.4877

■ 6.9971, 9.6843,
28.1591

■ 101.6248,
120.0040, 207.8834

■ 3.5066, 5.1901,
18.2056

■ 129.5551,
151.6425, 254.3021

■ 1.4270, 2.3593,
10.9267

■ 162.1844,
188.4038, 307.1624

■ 0.2753, 0.8048,
5.9040

199.8782,

■ 0.0000, 0.0000,

230.6723, 366.8827

2.7190

243.0018,
278.8324, 433.8818

■ 0.0000, 0.0000,
0.9530

■ 0.0000, 0.0000,
0.0000

■ 29.5873, 36.9903,
78.2535

■ 29.5873, 36.9903,
78.2535

■ 29.5850, 36.9857,
78.2535

■ 30.9418, 39.1827,
78.6060

■ 32.7393, 41.6572,
78.9889

■ 35.1115, 44.4828,
79.4093

■ 38.1341, 47.6991,
79.8708

■ 41.8706, 51.3394,
80.3765

■ 46.3767, 55.4329,
80.9291

■ 51.7025, 60.0059,
81.5311

■ 57.8935, 65.0824,
82.1847

■ 64.9920, 70.6848,
82.8919

Harmonies

Analogous

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



25.8051, 36.9903, 60.4224



29.5873, 36.9903, 78.2535



35.2816, 36.9903, 85.3533

Triad

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



29.5873, 36.9903, 78.2535



48.5774, 36.9903, 39.9241



29.3974, 36.9903, 17.3406

Complementary

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



29.5873, 36.9903, 78.2535



32.8225, 18.6178, 1.8655

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.



35.0350, 36.9903, 14.7547



29.5873, 36.9903, 78.2535



46.5355, 36.9903, 25.1943

Square

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



29.5873, 36.9903, 78.2535



46.6843, 36.9903, 59.6245



41.3878, 36.9903, 17.1401



25.7049, 36.9903, 25.6443

Rectangle

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



29.5873, 36.9903, 78.2535



39.5500, 36.9903, 81.7850



41.3878, 36.9903, 17.1401



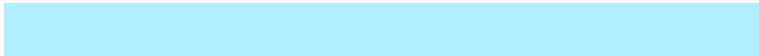
31.1041, 36.9903, 15.9065

Sweetspot

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



29.5886, 36.9916, 78.2544



67.1419, 77.9780, 106.1203



28.0295, 55.1629, 12.1018



13.7149, 16.1344, 22.6413



0.0000, 0.0000, 0.0000



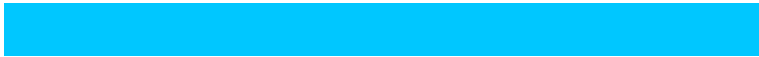
20.3446, 21.4041, 23.3091

Same Dimension

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



29.5886, 36.9916, 78.2544



38.4316, 47.9832, 101.8439



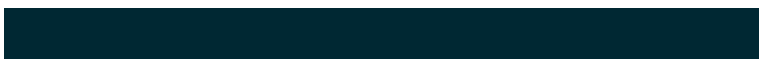
15.7200, 9.2543, 73.6316



14.5239, 15.7693, 18.4226



17.3438, 21.7498, 45.6672



1.3484, 1.7407, 3.3969

Inverse Universe

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



39.6156, 19.5068, 43.2732



51.5277, 25.3751, 56.1043



44.7236, 42.4199, 5.8325



14.8520, 14.5580, 17.4213



23.1479, 11.3934, 25.4714



1.7442, 0.8554, 2.0596

Previews

White Background



This preview shows how the XYZ color 29.5873, 36.9903, 78.2535 looks on a white background.

Color Contrast Check

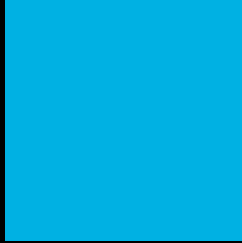
Large Text (above 18pt) WCAG AA × Fail

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 29.5873, 36.9903, 78.2535 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

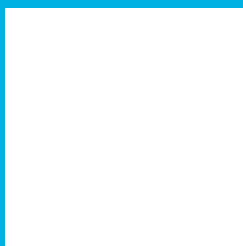
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5873, 36.9903, 78.2535

Background



This preview shows how black text looks on a background with the XYZ color 29.5873, 36.9903, 78.2535.

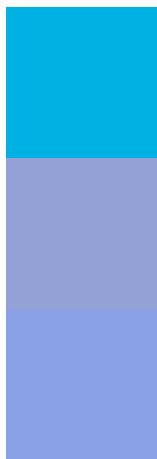


This preview shows how white text looks on a background with the XYZ color 29.5873, 36.9903,

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

29.5873, 36.9903, 78.2535

Protanopia

37.2234, 36.6919, 69.4103

Deuteranopia

37.6499, 36.6625, 80.6935



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

29.5873, 36.9903, 78.2535



Protanomaly

31.2210, 35.1316, 72.1534



Deuteranomaly

32.1261, 35.4253, 80.0075



Tritanomaly

27.5837, 37.1475, 64.7479

Monochromacy



Original Color

29.5873, 36.9903, 78.2535



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.7925, 25.4230, 39.4086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5873, 36.9903, 78.2535 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, 177, 227)` looks like.

```
.text, #text, p{  
  color:rgb(0, 177, 227)  
}
```

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, 177, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 227) }
```

Border

The CSS property to change the border of an element to XYZ 29.5873, 36.9903, 78.2535 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, 177, 227) }
```


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

```
.border{ border-color:rgb(0, 177, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 177, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5873, 36.9903, 78.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 227) }
```

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

```
.background{ background-color: rgb(0, 177,  
227) }
```

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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