

Converting Colors

XYZ(29.7927, 37.1793, 79.0059)

Have a look what the booklet for
XYZ(29.7927, 37.1793, 79.0059)
contains.

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Color

**XYZ(29.7257, 37.0457,
78.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	00B1E4
RGB	0, 177, 228
RGB Percent	0%, 69%, 89%
CMY	0.9998, 0.3059, 0.1059
CMYK	1.00, 0.22, 0.00, 0.11
HSL	193°, 100%, 45%
HSV	193°, 100%, 89%
XYZ	29.7257, 37.0457, 78.9826
YIQ	129.8910, -121.8630, -21.6630

Conversions

Conversions Part 2

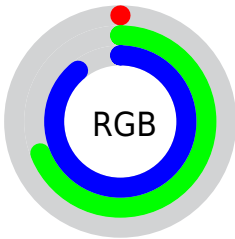
Format	Color
RYB	0, 100, 228
Decimal	45540
CIELab	67.31, -19.71, -36.06
CIElCh	67, 41.096, 241.342
Yxy	37.0457, 0.2039, 0.2542
Android (android.graphics.Color)	4278235620 (0xFF00B1E4)
YUV	129.8910, 48.3677, -113.9144
Hunter-Lab	60.8652, -19.3372, -34.3329

Details

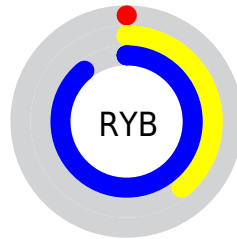
The XYZ color **29.7257, 37.0457, 78.9826** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.1818, 18.8668, 1.8944**, and the grayscale version is **21.0515, 22.1478, 24.1189**.

A 20% lighter version of the original color is **53.2523, 68.6236, 105.0467**, and **14.6540, 17.3939, 41.6147** is the 20% darker color. If you saturate the color by 10%, you get **29.7238, 37.0416, 78.9827**, and if you desaturate by 10%, it is **31.1029, 39.2802, 79.3421**.

Distribution



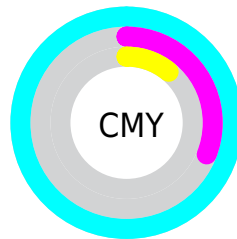
- Red (0%)
- Green (69%)
- Blue (89%)



- 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 29.7257, 37.0457, 78.9826 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 29.7257, 37.0457, 78.9826 by changing the saturation by 10% instead.

■ 29.7257, 37.0457,
78.9826

■ 29.7257, 37.0457,
78.9826

292.5566,
333.5083, 511.1135

■ 19.7775, 25.2429,
58.3603

■ 58.6177, 70.6431,
133.7328

■ 12.3407, 16.2581,
41.6817

■ 78.2923, 93.2064,
168.6978

■ 7.0500, 9.7070,
28.5285

■ 101.9397,
120.1254, 209.2807

■ 3.5400, 5.2051,
18.4819

■ 129.9253,
151.7843, 255.9001

■ 1.4454, 2.3681,
11.1235

■ 162.6144,
188.5677, 308.9746

■ 0.2882, 0.8094,
6.0348

200.3724,

■ 0.0000, 0.0000,

230.8599, 368.9226

2.7971

243.5647,
279.0453, 436.1627

■ 0.0000, 0.0000,
0.9920

■ 0.0000, 0.0000,
0.0000

■ 29.7257, 37.0457,
78.9826

■ 29.7257, 37.0457,
78.9826

■ 29.7238, 37.0416,
78.9827

■ 31.1029, 39.2802,
79.3421

■ 32.9288, 41.8019,
79.7326

■ 35.3365, 44.6806,
80.1613

■ 38.4023, 47.9562,
80.6320

■ 42.1906, 51.6626,
81.1477

■ 46.7576, 55.8292,
81.7113

■ 52.1540, 60.4827,
82.3251

■ 58.4260, 65.6475,
82.9914

■ 65.6161, 71.3460,
83.7123

Harmonies

Analogous

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



25.8623, 37.0457, 61.1579



29.7257, 37.0457, 78.9826



35.4948, 37.0457, 85.7925

Triad

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



29.7257, 37.0457, 78.9826



48.7318, 37.0457, 39.5308



29.2897, 37.0457, 17.4040

Complementary

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



29.7257, 37.0457, 78.9826



33.1818, 18.8668, 1.8944

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.



34.9284, 37.0457, 14.6805



29.7257, 37.0457, 78.9826



46.5777, 37.0457, 24.8750

Square

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



29.7257, 37.0457, 78.9826



46.9198, 37.0457, 59.3224



41.3323, 37.0457, 16.9450



25.6325, 37.0457, 25.9069

Rectangle

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



29.7257, 37.0457, 78.9826



39.7963, 37.0457, 81.9406



41.3323, 37.0457, 16.9450



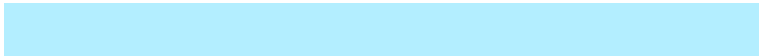
30.9919, 37.0457, 15.9193

Sweetspot

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



29.7270, 37.0470, 78.9835



67.0659, 77.8260, 106.0949



28.3082, 55.7133, 12.2169



13.6966, 16.0977, 22.6352



0.0000, 0.0000, 0.0000



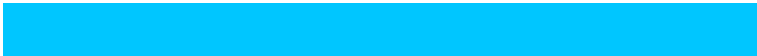
20.3446, 21.4041, 23.3091

Same Dimension

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



29.7270, 37.0470, 78.9835



38.2321, 47.5843, 101.7774



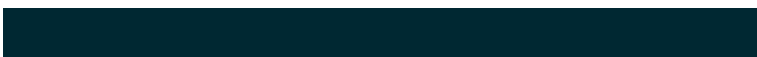
15.8742, 9.3414, 74.3659



14.5196, 15.7606, 18.4212



17.2557, 21.5735, 45.6378



1.3426, 1.7291, 3.3950

Inverse Universe

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



39.9319, 19.6698, 43.2881



51.4270, 25.3348, 55.5741



45.1669, 42.8369, 5.8894



14.8499, 14.5571, 17.4097



23.1034, 11.3756, 25.2372



1.7413, 0.8542, 2.0442

Previews

White Background



This preview shows how the XYZ color 29.7257, 37.0457, 78.9826 looks on a white background.

Color Contrast Check

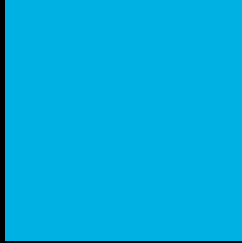
Large Text (above 18pt) WCAG AA × Fail

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 29.7257, 37.0457, 78.9826 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 29.7257, 37.0457, 78.9826

Background



This preview shows how black text looks on a background with the XYZ color 29.7257, 37.0457, 78.9826.



This preview shows how white text looks on a background with the XYZ color 29.7257, 37.0457,

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

29.7257, 37.0457, 78.9826

Protanopia

37.3523, 36.7435, 70.0893

Deuteranopia

37.6269, 36.6343, 81.4319



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

29.7257, 37.0457, 78.9826



Protanomaly

31.3531, 35.1844, 72.8489



Deuteranomaly

32.1730, 35.4332, 80.7449



Tritanomaly

27.5837, 37.1475, 64.7479

Monochromacy



Original Color

29.7257, 37.0457, 78.9826



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.8839, 25.4596, 39.8899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7257, 37.0457, 78.9826 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 228) }
```

Border

The CSS property to change the border of an element to XYZ 29.7257, 37.0457, 78.9826 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, 228) }
```


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

```
.border{ border-color:rgb(0, 177, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7257, 37.0457, 78.9826 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, 228) }
```

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

```
.background{ background-color: rgb(0, 177,  
228) }
```

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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