

Converting Colors

XYZ(29.6974, 36.9176, 77.5129)

Have a look what the booklet for
XYZ(29.6974, 36.9176, 77.5129)
contains.

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Color

**XYZ(29.8030, 37.1174,
77.5451)**

Conversions

Conversions Part 1

Format	Color
Hex	17B1E2
RGB	23, 177, 226
RGB Percent	9%, 69%, 89%
CMY	0.9097, 0.3059, 0.1137
CMYK	0.90, 0.22, 0.00, 0.11
HSL	194°, 82%, 49%
HSV	194°, 90%, 89%
XYZ	29.8030, 37.1174, 77.5451
YIQ	136.5400, -107.5130, -17.4090

Conversions

Conversions Part 2

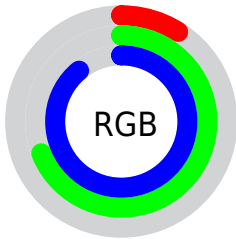
Format	Color
R_{YB}	23, 111, 226
Decimal	1552866
CIE _{Lab}	67.37, -19.65, -34.87
CIE _{LCh}	67, 40.026, 240.604
Yxy	37.1174, 0.2063, 0.2569
Android (android.graphics.Color)	4279742946 (0xFF17B1E2)
YUV	136.5400, 44.1038, -99.5746
Hunter-Lab	60.9241, -19.2980, -32.8184

Details

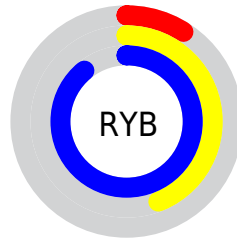
The XYZ color **29.8030, 37.1174, 77.5451** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.8389, 20.8700, 3.0573**, and the grayscale version is **23.4770, 24.6997, 26.8979**.

A 20% lighter version of the original color is **53.7445, 68.8773, 105.0698**, and **14.4634, 17.3176, 40.6105** is the 20% darker color. If you saturate the color by 10%, you get **28.3993, 34.8264, 77.1776**, and if you desaturate by 10%, it is **31.6598, 39.7072, 77.9479**.

Distribution



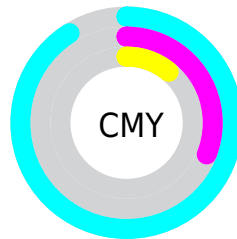
- Red (9%)
- Green (69%)
- Blue (89%)



- Red (9%)
- Yellow (44%)
- Blue (89%)



- Cyan (90%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8030, 37.1174, 77.5451 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 29.8030, 37.1174, 77.5451 by changing the saturation by 10% instead.

■ 29.8030, 37.1174,
77.5451

■ 29.8030, 37.1174,
77.5451

292.9114,
333.8185, 506.1075

■ 19.8364, 25.2984,
57.1861

■ 58.7393, 70.7533,
131.6887

■ 12.3838, 16.2995,
40.7443

■ 78.4397, 93.3390,
166.3104

■ 7.0797, 9.7363,
27.8012

■ 102.1154,
120.2824, 206.5234

■ 3.5587, 5.2245,
17.9381

■ 130.1318,
151.9679, 252.7463

■ 1.4557, 2.3796,
10.7366

■ 162.8543,
188.7798, 305.3977

■ 0.2954, 0.8154,
5.7781

200.6481,

■ 0.0000, 0.0000,

231.1027, 364.8959

2.6440

243.8787,
279.3208, 431.6597

■ 0.0000, 0.0000,
0.9150

■ 0.0000, 0.0000,
0.0000

■ 29.8030, 37.1174,
77.5451

■ 29.8030, 37.1174,
77.5451

■ 28.3993, 34.8264,
77.1776

■ 31.6598, 39.7072,
77.9479

■ 28.3740, 34.7838,
77.1707

■ 34.0928, 42.6582,
78.3892

■ 37.1776, 46.0105,
78.8737

■ 40.9772, 49.7975,
79.4044

■ 45.5466, 54.0482,
79.9840

■ 50.9354, 58.7887,
80.6150

■ 57.1888, 64.0430,
81.2996

■ 64.3486, 69.8335,
82.0399

■ 72.4537, 76.1807,
82.8379

Harmonies

Analogous

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



26.0737, 37.1174, 60.1558



29.8030, 37.1174, 77.5451



35.4035, 37.1174, 84.4498

Triad

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



29.8030, 37.1174, 77.5451



48.4293, 37.1174, 40.0595



29.6110, 37.1174, 17.7631

Complementary

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



29.8030, 37.1174, 77.5451



33.8389, 20.8700, 3.0573

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.



35.1548, 37.1174, 15.1817



29.8030, 37.1174, 77.5451



46.4299, 37.1174, 25.5472

Square

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



29.8030, 37.1174, 77.5451



46.5794, 37.1174, 59.3553



41.3877, 37.1174, 17.5581



25.9722, 37.1174, 26.0042

Rectangle

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



29.8030, 37.1174, 77.5451



39.5925, 37.1174, 80.9718



41.3877, 37.1174, 17.5581



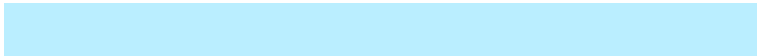
31.2907, 37.1174, 16.3330

Sweetspot

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



29.8043, 37.1187, 77.5460



69.0210, 79.0477, 106.2277



28.6687, 55.0230, 14.9692



14.2033, 16.4318, 22.6730



0.0000, 0.0000, 0.0000



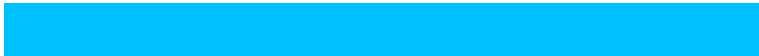
20.3446, 21.4041, 23.3091

Same Dimension

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



29.8043, 37.1187, 77.5460



37.2172, 45.5544, 101.4391



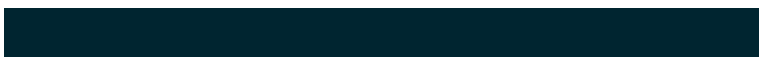
16.7468, 11.0037, 73.1935



13.8216, 14.9823, 17.5511



16.2840, 20.0375, 44.0577



1.1968, 1.5250, 3.0765

Inverse Universe

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



39.6075, 19.9575, 43.3606



50.9147, 25.1299, 52.8764



46.2484, 45.6891, 7.1938



14.1462, 13.8761, 16.5398



22.1596, 10.9308, 23.3040



1.5703, 0.7714, 1.7962

Previews

White Background



This preview shows how the XYZ color 29.8030, 37.1174, 77.5451 looks on a white background.

Color Contrast Check

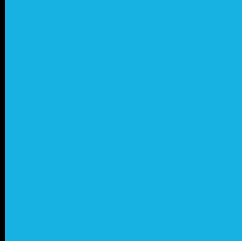
Large Text (above 18pt) WCAG AA × Fail

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 29.8030, 37.1174, 77.5451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

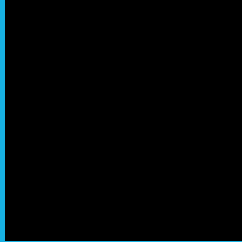
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8030, 37.1174, 77.5451

Background



This preview shows how black text looks on a background with the XYZ color 29.8030, 37.1174, 77.5451.

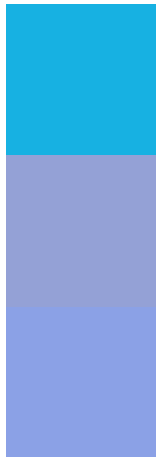


This preview shows how white text looks on a background with the XYZ color 29.8030, 37.1174,

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

29.8030, 37.1174, 77.5451

Protanopia

37.0952, 36.6407, 68.7356

Deuteranopia

37.6753, 36.6919, 79.9595



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

29.8030, 37.1174, 77.5451



Protanomaly

32.0671, 35.5830, 71.5077



Deuteranomaly

32.8913, 35.8360, 79.3122



Tritanomaly

27.5620, 37.1504, 64.1106

Monochromacy



Original Color

29.8030, 37.1174, 77.5451



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

23.2135, 27.8078, 41.6801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8030, 37.1174, 77.5451 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(23, 177, 226)` looks like.

```
.text, #text, p{  
    color:rgb(23, 177, 226)  
}
```

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(23, 177, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 177, 226) }
```

Border

The CSS property to change the border of an element to XYZ 29.8030, 37.1174, 77.5451 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(23, 177, 226) }
```


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

```
.border{ border-color:rgb(23, 177, 226) }
```

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

Here you see how a box with a 4 pixel rgb(23, 177, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 177, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 177, 226);  
box-shadow:4px 4px 4px 4px rgb(23, 177,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8030, 37.1174, 77.5451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 177, 226) }
```

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

```
.background{ background-color: rgb(23, 177,  
226) }
```

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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