

Converting Colors

XYZ(10.7294, 26.5252, 87.7891)

Have a look what the booklet for
XYZ(10.7294, 26.5252, 87.7891)
contains.

XYZ(31.2072, 37.0108, 88.7181)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.2072, 37.0108,
88.7181)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFF1
RGB	0, 175, 241
RGB Percent	0%, 69%, 95%
CMY	0.9997, 0.3137, 0.0549
CMYK	1.00, 0.27, 0.00, 0.05
HSL	196°, 100%, 47%
HSV	196°, 100%, 95%
XYZ	31.2072, 37.0108, 88.7181
YIQ	130.1990, -125.4860, -16.5740

Conversions

Conversions Part 2

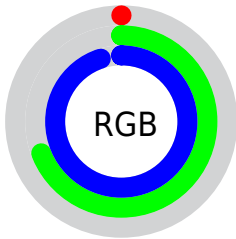
Format	Color
RYB	0, 101, 241
Decimal	45041
CIELab	67.29, -14.05, -43.21
CIELCh	67, 45.433, 251.988
Yxy	37.0108, 0.1989, 0.2358
Android (android.graphics.Color)	4278235121 (0xFF00AFF1)
YUV	130.1990, 54.6249, -114.1845
Hunter-Lab	60.8365, -14.8990, -43.8773

Details

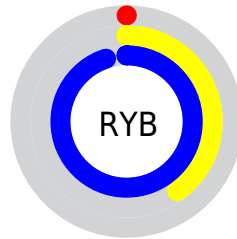
The XYZ color **31.2072, 37.0108, 88.7181** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **38.2288, 22.6059, 2.3506**, and the grayscale version is **21.1412, 22.2421, 24.2217**.

A 20% lighter version of the original color is **52.6535, 67.0648, 104.7774**, and **15.8399, 17.6687, 48.4745** is the 20% darker color. If you saturate the color by 10%, you get **31.2038, 37.0038, 88.7177**, and if you desaturate by 10%, it is **32.9050, 39.8410, 89.1757**.

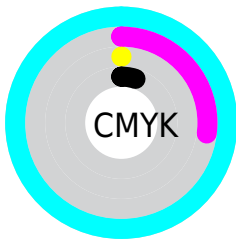
Distribution



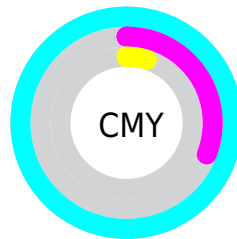
- Red (0%)
- Green (69%)
- Blue (95%)



- Red (0%)
- Yellow (40%)
- Blue (95%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (31%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2072, 37.0108, 88.7181 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 31.2072, 37.0108, 88.7181 by changing the saturation by 10% instead.

■ 31.2072, 37.0108,
88.7181

■ 31.2072, 37.0108,
88.7181

299.3016,
333.3573, 544.3141

■ 20.9093, 25.2159,
66.3502

■ 60.9398, 70.5894,
147.4764

■ 13.1698, 16.2379,
48.0985

■ 81.1051, 93.1418,
184.7039

■ 7.6234, 9.6927,
33.5443

■ 105.2903,
120.0489, 227.7217

■ 3.9047, 5.1957,
22.2692

■ 133.8607,
151.6950, 276.9484

■ 1.6483, 2.3625,
13.8547

■ 167.1817,
188.4644, 332.8024

■ 0.4236, 0.8065,
7.8821

205.6186,

■ 0.0000, 0.0000,

230.7417, 395.7023

3.9329

249.5368,
278.9112, 466.0667

■ 0.0000, 0.0000,
1.5886

■ 0.0000, 0.0000,
0.2827

■ 31.2072, 37.0108,
88.7181

■ 31.2072, 37.0108,
88.7181

■ 31.2038, 37.0038,
88.7177

■ 32.9050, 39.8410,
89.1757

■ 35.1363, 43.0403,
89.6756

■ 38.0497, 46.6870,
90.2259

■ 41.7334, 50.8279,
90.8311

■ 46.2614, 55.5024,
91.4947

■ 51.6990, 60.7452,
92.2200

■ 58.1042, 66.5875,
93.0101

■ 65.5305, 73.0580,
93.8676

■ 74.0270, 80.1831,
94.7951

Harmonies

Analogous

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



26.1548, 37.0108, 71.6858



31.2072, 37.0108, 88.7181



38.0254, 37.0108, 90.4905

Triad

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



31.2072, 37.0108, 88.7181



49.9267, 37.0108, 32.8642



26.9779, 37.0108, 18.0292

Complementary

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



31.2072, 37.0108, 88.7181



38.2288, 22.6059, 2.3506

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.



32.4758, 37.0108, 13.2673



31.2072, 37.0108, 88.7181



46.0683, 37.0108, 19.7436

Square

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



31.2072, 37.0108, 88.7181



49.4693, 37.0108, 53.3213



39.4714, 37.0108, 13.7696



23.9434, 37.0108, 29.5900

Rectangle

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



31.2072, 37.0108, 88.7181



42.7379, 37.0108, 82.2266



39.4714, 37.0108, 13.7696



28.5661, 37.0108, 15.7829

Sweetspot

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



31.2086, 37.0120, 88.7190



65.9603, 75.6148, 105.7264



32.3911, 63.2855, 15.4065



13.4308, 15.5660, 22.5466



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.



31.2086, 37.0120, 88.7190



35.4295, 41.9790, 100.8432



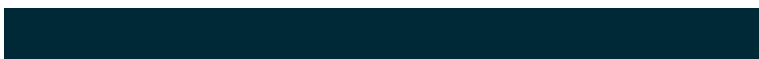
17.3065, 9.2079, 84.0850



15.8599, 17.1540, 20.1967



17.0392, 20.3027, 48.1486



1.5000, 1.8539, 4.0330

Inverse Universe

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



44.0148, 21.7977, 42.4459



50.0124, 24.7690, 48.1247



53.5803, 53.3089, 7.4677



16.2587, 15.9532, 18.9188



23.9262, 11.8429, 23.3258



2.0321, 1.0019, 2.1597

Previews

White Background



This preview shows how the XYZ color 31.2072, 37.0108, 88.7181 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 31.2072, 37.0108, 88.7181 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 31.2072, 37.0108, 88.7181

Background



This preview shows how black text looks on a background with the XYZ color 31.2072, 37.0108, 88.7181.



This preview shows how white text looks on a background with the XYZ color 31.2072, 37.0108,

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

31.2072, 37.0108, 88.7181

Protanopia

37.6982, 36.4615, 79.1796

Deuteranopia

37.7069, 36.7323, 90.6906



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

31.2072, 37.0108, 88.7181

Protanomaly

32.3796, 34.9671, 82.1335

Deuteranomaly

33.3046, 35.8140, 89.9515

Tritanomaly

28.0038, 36.9937, 67.9519

Monochromacy



Original Color

31.2072, 37.0108, 88.7181

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1019, 25.2990, 41.8012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2072, 37.0108, 88.7181 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, 175, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 241)  
}
```

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, 175, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 241) }
```

Border

The CSS property to change the border of an element to XYZ 31.2072, 37.0108, 88.7181 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, 175, 241) }
```


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

```
.border{ border-color:rgb(0, 175, 241) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2072, 37.0108, 88.7181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 241) }
```

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

```
.background{ background-color: rgb(0, 175,  
241) }
```

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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