

Converting Colors

XYZ(25.0782, 34.2802, 87.0220)

Have a look what the booklet for
XYZ(25.0782, 34.2802, 87.0220)
contains.

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Color

**XYZ(31.1053, 37.2827,
87.2182)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0EF
RGB	0, 176, 239
RGB Percent	0%, 69%, 94%
CMY	0.9998, 0.3098, 0.0627
CMYK	1.00, 0.26, 0.00, 0.06
HSL	196°, 100%, 47%
HSV	196°, 100%, 94%
XYZ	31.1053, 37.2827, 87.2182
YIQ	130.5580, -125.1190, -17.7190

Conversions

Conversions Part 2

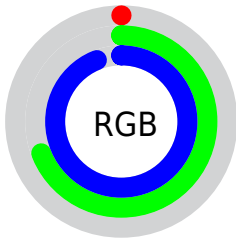
Format	Color
RYB	0, 101, 239
Decimal	45295
CIELab	67.49, -15.30, -41.80
CIELCh	67, 44.510, 249.893
Yxy	37.2827, 0.1999, 0.2396
Android (android.graphics.Color)	4278235375 (0xFF00B0EF)
YUV	130.5580, 53.4619, -114.4994
Hunter-Lab	61.0596, -15.9218, -41.9488

Details

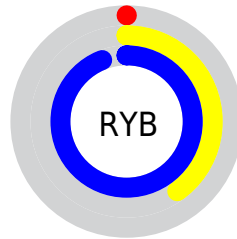
The XYZ color **31.1053, 37.2827, 87.2182** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **37.3781, 21.9128, 2.2613**, and the grayscale version is **21.2708, 22.3786, 24.3703**.

A 20% lighter version of the original color is **53.2133, 68.1844, 104.9640**, and **15.7549, 17.8342, 47.4117** is the 20% darker color. If you saturate the color by 10%, you get **31.1027, 37.2772, 87.2180**, and if you desaturate by 10%, it is **32.7461, 40.0062, 87.6582**.

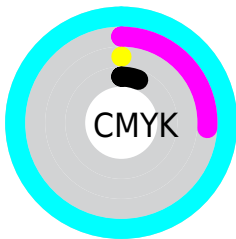
Distribution



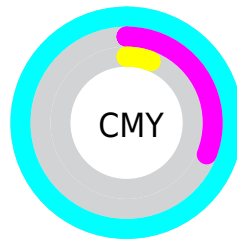
- Red (0%)
- Green (69%)
- Blue (94%)



- Red (0%)
- Yellow (40%)
- Blue (94%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (31%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1053, 37.2827, 87.2182 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 31.1053, 37.2827, 87.2182 by changing the saturation by 10% instead.

■ 31.1053, 37.2827,
87.2182

■ 31.1053, 37.2827,
87.2182

■ 298.8414,
334.5328, 539.2744

■ 20.8313, 25.4264,
65.1151

■ 60.7805, 71.0074,
145.3698

■ 13.1125, 16.3951,
47.1025

■ 80.9124, 93.6446,
182.2554

■ 7.5836, 9.8041,
32.7618

■ 105.0610,
120.6442, 224.9056

■ 3.8792, 5.2693,
21.6744

■ 133.5916,
152.3907, 273.7389

■ 1.6340, 2.4061,
13.4218

■ 166.8696,
189.2684, 329.1739

■ 0.4144, 0.8290,
7.5855

205.2603,

■ 0.0000, 0.0000,

231.6617, 391.6292

3.7470

249.1291,
279.9551, 461.5231

■ 0.0000, 0.0000,
1.4876

■ 0.0000, 0.0000,
0.2086

■ 31.1053, 37.2827,
87.2182

■ 31.1053, 37.2827,
87.2182

■ 31.1027, 37.2772,
87.2180

■ 32.7461, 40.0062,
87.6582

■ 34.9053, 43.0826,
88.1382

■ 37.7291, 46.5890,
88.6662

■ 41.3037, 50.5710,
89.2464

■ 45.7018, 55.0669,
89.8824

■ 50.9869, 60.1107,
90.5773

■ 57.2160, 65.7327,
91.3342

■ 64.4412, 71.9608,
92.1555

■ 72.7108, 78.8208,
93.0438

Harmonies

Analogous

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



26.2748, 37.2827, 69.8522



31.1053, 37.2827, 87.2182



37.7434, 37.2827, 90.1395

Triad

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



31.1053, 37.2827, 87.2182



50.0318, 37.2827, 34.4625



27.6544, 37.2827, 18.0147

Complementary

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



31.1053, 37.2827, 87.2182



37.3781, 21.9128, 2.2613

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.



33.2247, 37.2827, 13.6503



31.1053, 37.2827, 87.2182



46.5121, 37.2827, 20.9160

Square

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



31.1053, 37.2827, 87.2182



49.2731, 37.2827, 54.9651



40.1513, 37.2827, 14.5067



24.4673, 37.2827, 28.9762

Rectangle

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



31.1053, 37.2827, 87.2182



42.4014, 37.2827, 82.7757



40.1513, 37.2827, 14.5067



29.2787, 37.2827, 15.9172

Sweetspot

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



31.1067, 37.2839, 87.2191



66.1847, 76.0636, 105.8012



31.6778, 62.0581, 14.5556



13.4846, 15.6738, 22.5646



0.0000, 0.0000, 0.0000



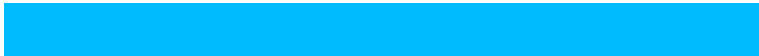
20.3446, 21.4041, 23.3091

Same Dimension

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



31.1067, 37.2839, 87.2191



35.9834, 43.0868, 101.0278



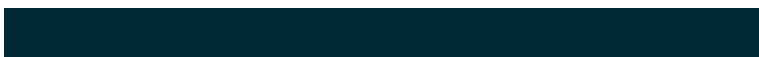
17.1861, 9.4429, 82.5790



15.8742, 17.1826, 20.2015



17.3006, 20.8255, 48.2358



1.5199, 1.8938, 4.0397

Inverse Universe

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



43.4343, 21.4869, 42.9335



50.2919, 24.8808, 49.5969



51.7708, 50.6980, 7.0589



16.2660, 15.9561, 18.9568



24.0582, 11.8957, 24.0207



2.0421, 1.0059, 2.2127

Previews

White Background



This preview shows how the XYZ color 31.1053, 37.2827, 87.2182 looks on a white background.

Color Contrast Check

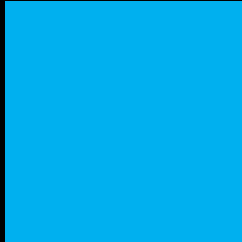
Large Text (above 18pt) WCAG AA × Fail

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 31.1053, 37.2827, 87.2182 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

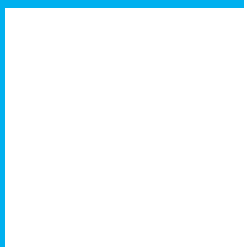
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1053, 37.2827, 87.2182

Background



This preview shows how black text looks on a background with the XYZ color 31.1053, 37.2827, 87.2182.



This preview shows how white text looks on a background with the XYZ color 31.1053, 37.2827,

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

31.1053, 37.2827, 87.2182

Protanopia

37.9377, 36.8754, 77.7912

Deuteranopia

37.8494, 36.8407, 89.1205



Tritanopia

26.5783, 37.3960, 57.4471

Trichromacy



Original Color

31.1053, 37.2827, 87.2182

Protanomaly

32.3744, 35.2661, 80.7020

Deuteranomaly

33.0892, 35.7376, 88.3732

Tritanomaly

28.0791, 37.3457, 67.3565

Monochromacy



Original Color

31.1053, 37.2827, 87.2182

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2567, 25.6087, 41.8528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1053, 37.2827, 87.2182 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, 176, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 239)  
}
```

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, 176, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 239) }
```

Border

The CSS property to change the border of an element to XYZ 31.1053, 37.2827, 87.2182 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, 176, 239) }
```


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

```
.border{ border-color:rgb(0, 176, 239) }
```

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

Here you see how a box with a 4 pixel rgb(0, 176, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1053, 37.2827, 87.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 239) }
```

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

```
.background{ background-color: rgb(0, 176,  
239) }
```

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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