

Converting Colors

XYZ(26.3511, 34.3931, 90.9330)

Have a look what the booklet for
XYZ(26.3511, 34.3931, 90.9330)
contains.

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Color

**XYZ(31.6591, 37.1916,
91.0980)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFF4
RGB	0, 175, 244
RGB Percent	0%, 69%, 96%
CMY	0.9997, 0.3137, 0.0431
CMYK	1.00, 0.28, 0.00, 0.04
HSL	197°, 100%, 48%
HSV	197°, 100%, 96%
XYZ	31.6591, 37.1916, 91.0980
YIQ	130.5410, -126.4490, -15.6410

Conversions

Conversions Part 2

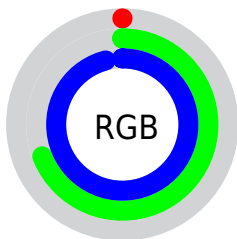
Format	Color
RYB	0, 102, 244
Decimal	45044
CIELab	67.42, -12.98, -44.63
CIELCh	67, 46.477, 253.789
Yxy	37.1916, 0.1979, 0.2325
Android (android.graphics.Color)	4278235124 (0xFF00AFF4)
YUV	130.5410, 55.9353, -114.4845
Hunter-Lab	60.9849, -14.0589, -45.8767

Details

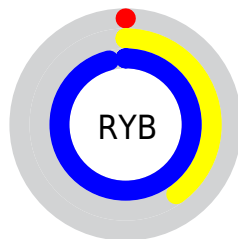
The XYZ color **31.6591, 37.1916, 91.0980** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **39.4412, 23.4980, 2.4588**, and the grayscale version is **21.2574, 22.3644, 24.3549**.

A 20% lighter version of the original color is **52.7772, 67.1286, 104.7832**, and **16.0526, 17.7538, 49.5945** is the 20% darker color. If you saturate the color by 10%, you get **31.6558, 37.1848, 91.0976**, and if you desaturate by 10%, it is **33.4254, 40.1482, 91.5764**.

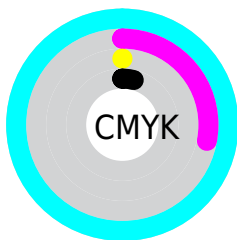
Distribution



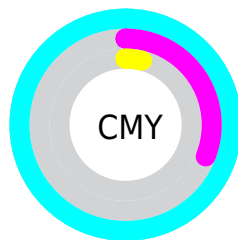
- Red (0%)
- Green (69%)
- Blue (96%)



- Red (0%)
- Yellow (40%)
- Blue (96%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (31%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6591, 37.1916, 91.0980 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 31.6591, 37.1916, 91.0980 by changing the saturation by 10% instead.

■ 31.6591, 37.1916,
91.0980

■ 31.6591, 37.1916,
91.0980

301.3364,
334.1393, 552.2582

■ 21.2555, 25.3559,
68.3128

■ 61.6451, 70.8674,
150.8114

■ 13.4244, 16.3424,
49.6840

■ 81.9582, 93.4762,
188.5768

■ 7.8005, 9.7668,
34.7930

■ 106.3053,
120.4449, 232.1727

■ 4.0183, 5.2446,
23.2212

■ 135.0515,
152.1577, 282.0176

■ 1.7125, 2.3915,
14.5501

■ 168.5624,
188.9992, 338.5300

■ 0.4641, 0.8215,
8.3611

207.2033,

■ 0.0000, 0.0000,

231.3537, 402.1286

4.2358

251.3395,
279.6056, 473.2318

■ 0.0000, 0.0000,
1.7556

■ 0.0000, 0.0000,
0.3984

■ 31.6591, 37.1916,
91.0980

■ 31.6591, 37.1916,
91.0980

■ 31.6558, 37.1848,
91.0976

■ 33.4254, 40.1482,
91.5764

■ 35.7454, 43.4930,
92.0997

■ 38.7714, 47.3067,
92.6763

■ 42.5944, 51.6376,
93.3108

■ 47.2912, 56.5265,
94.0069

■ 52.9288, 62.0094,
94.7681

■ 59.5673, 68.1187,
95.5974

■ 67.2618, 74.8841,
96.4977

■ 76.0631, 82.3329,
97.4716

Harmonies

Analogous

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



26.3488, 37.1916, 74.1887



31.6591, 37.1916, 91.0980



38.7182, 37.1916, 91.8375

Triad

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



31.6591, 37.1916, 91.0980



50.4029, 37.1916, 31.8408



26.6871, 37.1916, 18.2527

Complementary

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



31.6591, 37.1916, 91.0980



39.4412, 23.4980, 2.4588

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.



32.1821, 37.1916, 13.0829



31.6591, 37.1916, 91.0980



46.1969, 37.1916, 18.9513

Square

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



31.6591, 37.1916, 91.0980



50.2131, 37.1916, 52.4736



39.3161, 37.1916, 13.2862



23.7532, 37.1916, 30.4946

Rectangle

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



31.6591, 37.1916, 91.0980



43.5337, 37.1916, 82.6680



39.3161, 37.1916, 13.2862



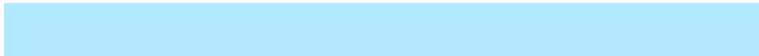
28.2612, 37.1916, 15.8468

Sweetspot

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



31.6605, 37.1928, 91.0990



65.7663, 75.2267, 105.6617



33.3094, 65.0854, 15.8260



13.3842, 15.4728, 22.5311



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.



31.6605, 37.1928, 91.0990



34.9567, 41.0335, 100.6856



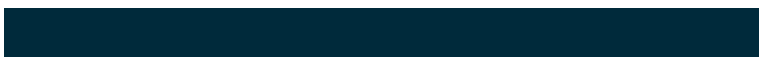
17.7926, 9.4571, 86.4763



16.5775, 17.9192, 21.1276



17.3344, 20.4626, 49.5741



1.6105, 1.9723, 4.3861

Inverse Universe

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



45.0473, 22.3300, 42.4943



49.7737, 24.6735, 46.8681



55.0970, 54.8095, 7.6773



17.0020, 16.6837, 19.7573



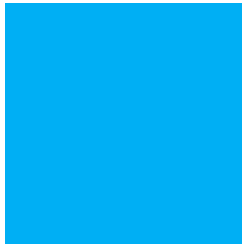
24.5541, 12.1651, 23.4241



2.2020, 1.0867, 2.2898

Previews

White Background



This preview shows how the XYZ color 31.6591, 37.1916, 91.0980 looks on a white background.

Color Contrast Check

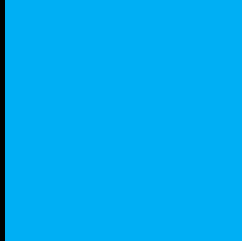
Large Text (above 18pt) WCAG AA × Fail

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 31.6591, 37.1916, 91.0980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

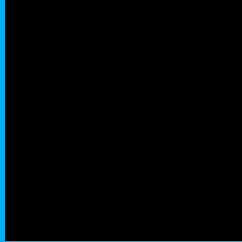
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

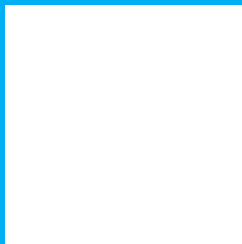
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6591, 37.1916, 91.0980

Background



This preview shows how black text looks on a background with the XYZ color 31.6591, 37.1916, 91.0980.



This preview shows how white text looks on a background with the XYZ color 31.6591, 37.1916,

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

31.6591, 37.1916, 91.0980

Protanopia

38.1256, 36.8914, 81.4552

Deuteranopia

37.8772, 36.7670, 93.0961



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



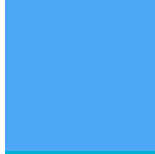
Original Color

31.6591, 37.1916, 91.0980



Protanomaly

32.8964, 35.4524, 84.4661



Deuteranomaly

33.5952, 35.9110, 92.3496



Tritanomaly

28.1303, 37.0443, 68.6184

Monochromacy



Original Color

31.6591, 37.1916, 91.0980



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

21.4474, 25.6850, 42.8570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6591, 37.1916, 91.0980 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 244) }
```

Border

The CSS property to change the border of an element to XYZ 31.6591, 37.1916, 91.0980 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, 244) }
```


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

```
.border{ border-color:rgb(0, 175, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6591, 37.1916, 91.0980 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, 244) }
```

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

```
.background{ background-color: rgb(0, 175,  
244) }
```

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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