

Converting Colors

XYZ(32.4218, 37.8955, 93.8849)

Have a look what the booklet for
XYZ(32.4218, 37.8955, 93.8849)
contains.

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Color

**XYZ(32.3138, 37.7661,
93.5821)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0F7
RGB	0, 176, 247
RGB Percent	0%, 69%, 97%
CMY	0.9997, 0.3098, 0.0314
CMYK	1.00, 0.29, 0.00, 0.03
HSL	197°, 100%, 48%
HSV	197°, 100%, 97%
XYZ	32.3138, 37.7661, 93.5821
YIQ	131.4700, -127.6870, -15.2310

Conversions

Conversions Part 2

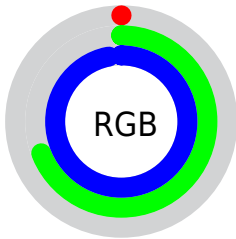
Format	Color
RYB	0, 103, 247
Decimal	45303
CIELab	67.85, -12.44, -45.59
CIELCh	68, 47.258, 254.732
Yxy	37.7661, 0.1974, 0.2308
Android (android.graphics.Color)	4278235383 (0xFF00B0F7)
YUV	131.4700, 56.9563, -115.2992
Hunter-Lab	61.4541, -13.6859, -47.2687

Details

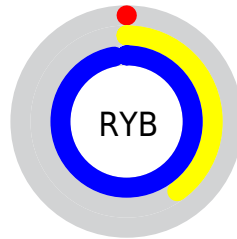
The XYZ color **32.3138, 37.7661, 93.5821** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **40.6159, 24.2893, 2.5495**, and the grayscale version is **21.5843, 22.7083, 24.7294**.

A 20% lighter version of the original color is **53.1815, 67.7513, 104.8821**, and **16.5019, 18.1330, 51.3455** is the 20% darker color. If you saturate the color by 10%, you get **32.3106, 37.7594, 93.5818**, and if you desaturate by 10%, it is **34.1387, 40.8290, 94.0779**.

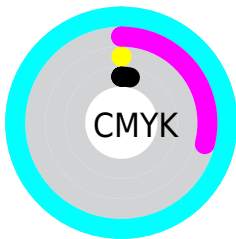
Distribution



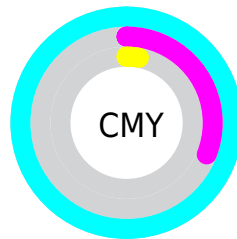
- Red (0%)
- Green (69%)
- Blue (97%)



- Red (0%)
- Yellow (40%)
- Blue (97%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (31%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3138, 37.7661, 93.5821 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 32.3138, 37.7661, 93.5821 by changing the saturation by 10% instead.

■ 32.3138, 37.7661,
93.5821

■ 32.3138, 37.7661,
93.5821

304.2662,
336.6155, 560.4837

■ 21.7580, 25.8012,
70.3651

■ 62.6646, 71.7495,
154.2829

■ 13.7948, 16.6750,
51.3456

■ 83.1903, 94.5368,
192.6038

■ 8.0588, 10.0030,
36.1051

■ 107.7700,
121.7003, 236.7964

■ 4.1847, 5.4010,
24.2250

■ 136.7691,
153.6245, 287.2792

■ 1.8072, 2.4844,
15.2869

■ 170.5529,
190.6937, 344.4708

■ 0.5220, 0.8688,
8.8721

209.4868,

■ 0.0000, 0.0000,

233.2923, 408.7897

4.5622

253.9361,
281.8048, 480.6545

■ 0.0000, 0.0000,
1.9386

■ 0.0000, 0.0000,
0.5171

■ 32.3138, 37.7661,
93.5821

■ 32.3138, 37.7661,
93.5821

■ 32.3106, 37.7594,
93.5818

■ 34.1387, 40.8290,
94.0779

■ 36.5359, 44.2961,
94.6208

■ 39.6617, 48.2502,
95.2193

■ 43.6100, 52.7411,
95.8780

■ 48.4598, 57.8112,
96.6010

■ 54.2804, 63.4975,
97.3918

■ 61.1338, 69.8336,
98.2536

■ 69.0767, 76.8500,
99.1892

■ 78.1615, 84.5751,
100.2015

Harmonies

Analogous

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



26.7929, 37.7661, 76.5327



32.3138, 37.7661, 93.5821



39.5967, 37.7661, 93.7511

Triad

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



32.3138, 37.7661, 93.5821



51.3082, 37.7661, 31.6947



26.8695, 37.7661, 18.6106

Complementary

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



32.3138, 37.7661, 93.5821



40.6159, 24.2893, 2.5495

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.



32.4325, 37.7661, 13.1507



32.3138, 37.7661, 93.5821



46.8566, 37.7661, 18.7682

Square

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



32.3138, 37.7661, 93.5821



51.2650, 37.7661, 52.6805



39.7326, 37.7661, 13.1964



23.9531, 37.7661, 31.3895

Rectangle

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



32.3138, 37.7661, 93.5821



44.5305, 37.7661, 83.9630



39.7326, 37.7661, 13.1964



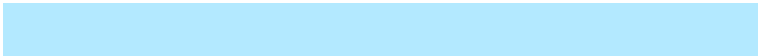
28.4559, 37.7661, 16.0856

Sweetspot

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



32.3152, 37.7673, 93.5831



65.6653, 75.0247, 105.6280



34.3684, 66.9651, 16.9137



13.3600, 15.4244, 22.5230



0.0000, 0.0000, 0.0000



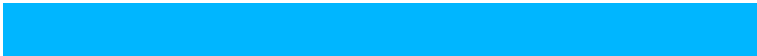
20.3446, 21.4041, 23.3091

Same Dimension

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



32.3152, 37.7673, 93.5831



34.7129, 40.5458, 100.6043



18.0887, 9.3143, 88.8409



16.5707, 17.9056, 21.1253



17.2156, 20.2249, 49.5345



1.6008, 1.9530, 4.3828

Inverse Universe

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



46.1955, 22.9104, 43.0627



49.6507, 24.6243, 46.2200



57.5388, 58.1352, 8.1905



16.9986, 16.6823, 19.7393



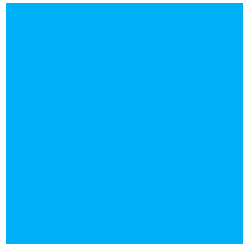
24.4941, 12.1411, 23.1082



2.1971, 1.0848, 2.2641

Previews

White Background



This preview shows how the XYZ color 32.3138, 37.7661, 93.5821 looks on a white background.

Color Contrast Check

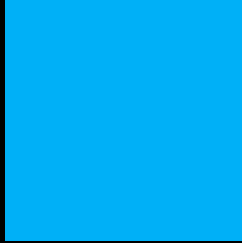
Large Text (above 18pt) WCAG AA × Fail

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 32.3138, 37.7661, 93.5821 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

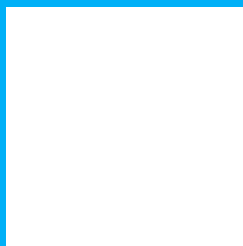
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3138, 37.7661, 93.5821

Background



This preview shows how black text looks on a background with the XYZ color 32.3138, 37.7661, 93.5821.

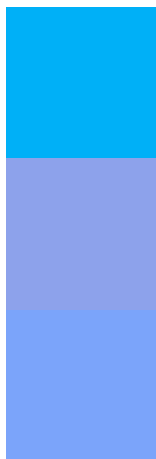


This preview shows how white text looks on a background with the XYZ color 32.3138, 37.7661,

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

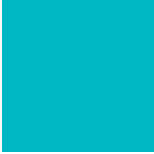
32.3138, 37.7661, 93.5821

Protanopia

38.9002, 37.5015, 83.7855

Deuteranopia

38.6992, 37.6640, 95.6727



Tritanopia

26.8973, 37.8525, 58.1132

Trichromacy



Original Color

32.3138, 37.7661, 93.5821



Protanomaly

33.6152, 36.0431, 86.8467



Deuteranomaly

34.2434, 36.4645, 94.8561



Tritanomaly

28.5870, 37.5488, 70.0309

Monochromacy



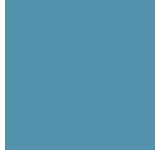
Original Color

32.3138, 37.7661, 93.5821



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

21.5438, 25.7236, 43.3648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3138, 37.7661, 93.5821 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 247) }
```

Border

The CSS property to change the border of an element to XYZ 32.3138, 37.7661, 93.5821 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, 247) }
```


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

```
.border{ border-color:rgb(0, 176, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3138, 37.7661, 93.5821 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, 247) }
```

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

```
.background{ background-color: rgb(0, 176,  
247) }
```

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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