

Converting Colors

XYZ(32.7967, 38.0100, 95.9684)

Have a look what the booklet for
XYZ(32.7967, 38.0100, 95.9684)
contains.

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Color

**XYZ(32.7807, 37.9528,
96.0404)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0FA
RGB	0, 176, 250
RGB Percent	0%, 69%, 98%
CMY	0.9997, 0.3098, 0.0196
CMYK	1.00, 0.30, 0.00, 0.02
HSL	198°, 100%, 49%
HSV	198°, 100%, 98%
XYZ	32.7807, 37.9528, 96.0404
YIQ	131.8120, -128.6500, -14.2980

Conversions

Conversions Part 2

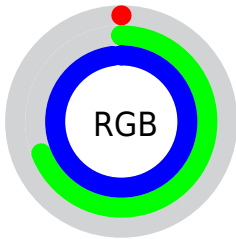
Format	Color
R _{YB}	0, 103, 250
Decimal	45306
CIE _{Lab}	67.99, -11.37, -47.00
CIE _{LCh}	68, 48.357, 256.405
Yxy	37.9528, 0.1966, 0.2276
Android (android.graphics.Color)	4278235386 (0xFF00B0FA)
YUV	131.8120, 58.2667, -115.5991
Hunter-Lab	61.6058, -12.8297, -49.3060

Details

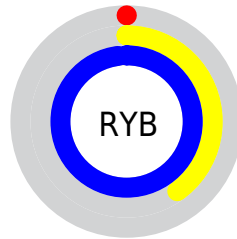
The XYZ color **32.7807, 37.9528, 96.0404** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **41.8790, 25.2322, 2.6652**, and the grayscale version is **21.7034, 22.8337, 24.8659**.

A 20% lighter version of the original color is **53.3080, 67.8166, 104.8880**, and **16.8333, 18.2656, 53.0905** is the 20% darker color. If you saturate the color by 10%, you get **32.7767, 37.9446, 96.0398**, and if you desaturate by 10%, it is **34.6752, 41.1437, 96.5573**.

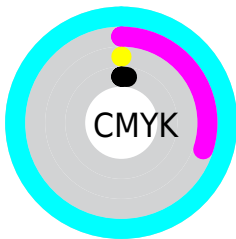
Distribution



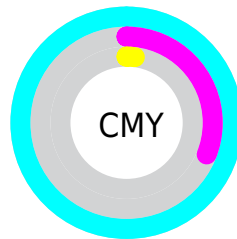
- Red (0%)
- Green (69%)
- Blue (98%)



- Red (0%)
- Yellow (40%)
- Blue (98%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (31%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7807, 37.9528, 96.0404 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 32.7807, 37.9528, 96.0404 by changing the saturation by 10% instead.

■ 32.7807, 37.9528,
96.0404

■ 32.7807, 37.9528,
96.0404

306.3429,
337.4175, 568.5596

■ 22.1169, 25.9461,
72.3995

■ 63.3900, 72.0358,
157.7091

■ 14.0599, 16.7833,
52.9963

■ 84.0662, 94.8808,
196.5740

■ 8.2443, 10.0801,
37.4121

■ 108.8106,
122.1074, 241.3507

■ 4.3048, 5.4521,
25.2284

■ 137.9885,
154.0999, 292.4577

■ 1.8760, 2.5149,
16.0268

■ 171.9654,
191.2428, 350.3135

■ 0.5628, 0.8841,
9.3885

211.1065,

■ 0.0000, 0.0000,

233.9204, 415.3368

4.8952

255.7772,
282.5172, 487.9459

■ 0.0000, 0.0000,
2.1282

■ 0.0000, 0.0000,
0.6325

■ 32.7807, 37.9528,
96.0404

■ 32.7807, 37.9528,
96.0404

■ 32.7767, 37.9446,
96.0398

■ 34.6752, 41.1437,
96.5573

■ 37.1633, 44.7594,
97.1240

■ 40.4050, 48.8847,
97.7494

■ 44.4973, 53.5713,
98.4384

■ 49.5218, 58.8630,
99.1949

■ 55.5498, 64.7982,
100.0228

■ 62.6454, 71.4115,
100.9254

■ 70.8670, 78.7347,
101.9056

■ 80.2687, 86.7973,
102.9663

Harmonies

Analogous

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



26.9949, 37.9528, 79.1448



32.7807, 37.9528, 96.0404



40.3118, 37.9528, 95.1211

Triad

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



32.7807, 37.9528, 96.0404



51.7933, 37.9528, 30.6994



26.5836, 37.9528, 18.8455

Complementary

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



32.7807, 37.9528, 96.0404



41.8790, 25.2322, 2.6652

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.



32.1423, 37.9528, 12.9733



32.7807, 37.9528, 96.0404



46.9875, 37.9528, 18.0074

Square

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



32.7807, 37.9528, 96.0404



52.0273, 37.9528, 51.8392



39.5787, 37.9528, 12.7320



23.7674, 37.9528, 32.3368

Rectangle

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



32.7807, 37.9528, 96.0404



45.3507, 37.9528, 84.4034



39.5787, 37.9528, 12.7320



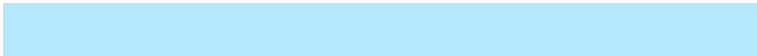
28.1556, 37.9528, 16.1567

Sweetspot

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



32.7821, 37.9540, 96.0414



65.4801, 74.6543, 105.5663



35.3207, 68.8259, 17.3657



13.3156, 15.3356, 22.5082



0.0000, 0.0000, 0.0000



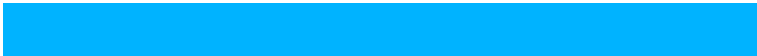
20.3446, 21.4041, 23.3091

Same Dimension

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



32.7821, 37.9540, 96.0414



34.2700, 39.6601, 100.4567



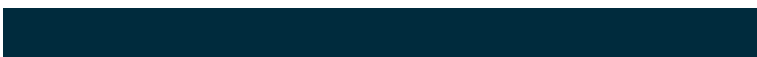
18.5862, 9.5623, 91.3094



17.3065, 18.6897, 22.0806



17.5168, 20.3892, 50.9858



1.7145, 2.0726, 4.7529

Inverse Universe

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



47.2622, 23.4605, 43.1125



49.4271, 24.5348, 45.0428



59.1314, 59.7370, 8.4160



17.7612, 17.4318, 20.5983



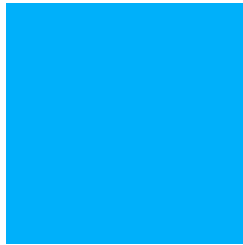
25.1337, 12.4692, 23.2103



2.3743, 1.1735, 2.3945

Previews

White Background



This preview shows how the XYZ color 32.7807, 37.9528, 96.0404 looks on a white background.

Color Contrast Check

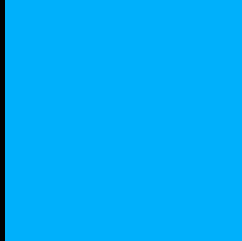
Large Text (above 18pt) WCAG AA × Fail

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 32.7807, 37.9528, 96.0404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

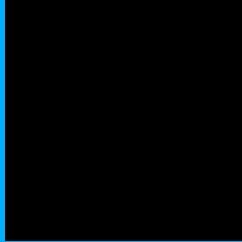
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

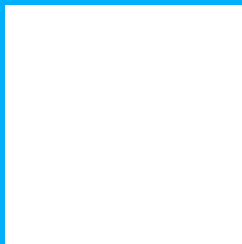
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7807, 37.9528, 96.0404

Background



This preview shows how black text looks on a background with the XYZ color 32.7807, 37.9528, 96.0404.

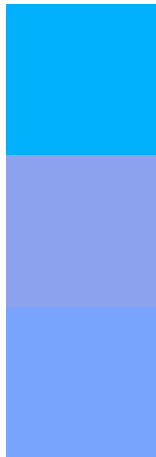


This preview shows how white text looks on a background with the XYZ color 32.7807, 37.9528,

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

32.7807, 37.9528, 96.0404

Protanopia

39.1682, 37.5892, 86.0800

Deuteranopia

38.7508, 37.6358, 98.1506



Tritanopia

27.0115, 37.8982, 58.7147

Trichromacy



Original Color

32.7807, 37.9528, 96.0404

Protanomaly

33.9656, 36.1721, 89.1961

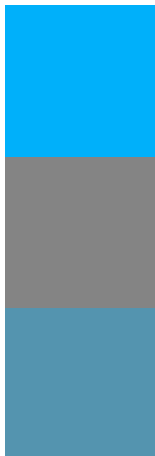
Deuteranomaly

34.5538, 36.5700, 97.3330

Tritanomaly

28.7159, 37.6004, 70.7099

Monochromacy



Original Color

32.7807, 37.9528, 96.0404

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9839, 26.1598, 44.4481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7807, 37.9528, 96.0404 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 250) }
```

Border

The CSS property to change the border of an element to XYZ 32.7807, 37.9528, 96.0404 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, 250) }
```


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

```
.border{ border-color:rgb(0, 176, 250) }
```

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, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7807, 37.9528, 96.0404 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, 250) }
```

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

```
.background{ background-color: rgb(0, 176,  
250) }
```

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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