

Converting Colors

XYZ(17.7455, 28.9360, 96.4296)

Have a look what the booklet for
XYZ(17.7455, 28.9360, 96.4296)
contains.

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Color

**XYZ(32.3232, 36.5333,
97.4435)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACFC
RGB	0, 172, 252
RGB Percent	0%, 67%, 99%
CMY	0.9997, 0.3255, 0.0118
CMYK	1.00, 0.32, 0.00, 0.01
HSL	199°, 100%, 49%
HSV	199°, 100%, 99%
XYZ	32.3232, 36.5333, 97.4435
YIQ	129.6920, -128.1920, -11.5840

Conversions

Conversions Part 2

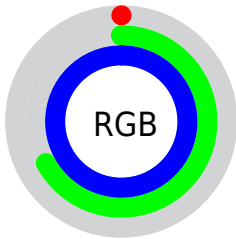
Format	Color
R _{YB}	0, 102, 252
Decimal	44284
CIE _{Lab}	66.93, -8.43, -49.76
CIE _{LCh}	67, 50.470, 260.380
Y _{xy}	36.5333, 0.1944, 0.2197
Android (android.graphics.Color)	4278234364 (0xFF00ACFC)
YUV	129.6920, 60.2978, -113.7399
Hunter-Lab	60.4428, -10.3178, -53.2751

Details

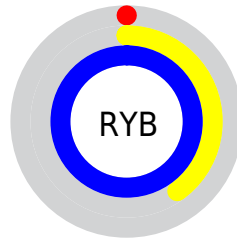
The XYZ color **32.3232, 36.5333, 97.4435** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.0197, 26.4439, 2.8389**, and the grayscale version is **20.9442, 22.0349, 23.9961**.

A 20% lighter version of the original color is **52.2012, 65.6029, 104.5191**, and **16.5668, 17.3731, 54.1099** is the 20% darker color. If you saturate the color by 10%, you get **32.3192, 36.5251, 97.4429**, and if you desaturate by 10%, it is **34.3006, 39.8826, 97.9866**.

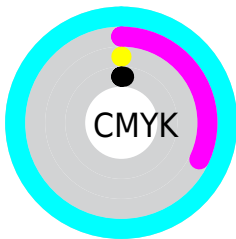
Distribution



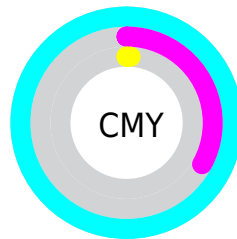
- Red (0%)
- Green (67%)
- Blue (99%)



- Red (0%)
- Yellow (40%)
- Blue (99%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (33%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3232, 36.5333, 97.4435 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 32.3232, 36.5333, 97.4435 by changing the saturation by 10% instead.

■ 32.3232, 36.5333,
97.4435

■ 32.3232, 36.5333,
97.4435

304.3081,
331.2855, 573.1413

■ 21.7652, 24.8464,
73.5623

■ 62.6792, 69.8544,
159.6606

■ 13.8001, 15.9626,
53.9412

■ 83.2079, 92.2574,
198.8336

■ 8.0626, 9.4977,
38.1618

■ 107.7910,
119.0011, 243.9409

■ 4.1871, 5.0672,
25.8055

■ 136.7937,
150.4700, 295.4011

■ 1.8085, 2.2868,
16.4537

■ 170.5814,
187.0486, 353.6326

■ 0.5228, 0.7667,
9.6880

209.5194,

■ 0.0000, 0.0000,

229.1210, 419.0542

5.0897

253.9732,
277.0719, 492.0842

■ 0.0000, 0.0000,
2.2403

■ 0.0000, 0.0000,
0.6975

■ 32.3232, 36.5333,
97.4435

■ 32.3232, 36.5333,
97.4435

■ 32.3192, 36.5251,
97.4429

■ 34.3006, 39.8826,
97.9866

■ 36.8943, 43.6876,
98.5843

■ 40.2674, 48.0352,
99.2457

■ 44.5190, 52.9786,
99.9758

■ 49.7327, 58.5631,
100.7789

■ 55.9816, 64.8284,
101.6589

■ 63.3311, 71.8104,
102.6192

■ 71.8412, 79.5419,
103.6630

■ 81.5673, 88.0536,
104.7933

Harmonies

Analogous

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



26.1632, 36.5333, 81.8501



32.3232, 36.5333, 97.4435



40.1020, 36.5333, 93.7755

Triad

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



32.3232, 36.5333, 97.4435



50.4177, 36.5333, 26.8383



24.5813, 36.5333, 18.5086

Complementary

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



32.3232, 36.5333, 97.4435



43.0197, 26.4439, 2.8389

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.



29.8493, 36.5333, 11.9156



32.3232, 36.5333, 97.4435



44.9736, 36.5333, 15.3533

Square

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



32.3232, 36.5333, 97.4435



51.3385, 36.5333, 47.2420



37.2404, 36.5333, 11.0235



22.1469, 36.5333, 33.1457

Rectangle

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



32.3232, 36.5333, 97.4435



45.1513, 36.5333, 81.2710



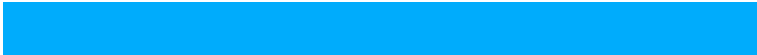
37.2404, 36.5333, 11.0235



26.0397, 36.5333, 15.5443

Sweetspot

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



32.3246, 36.5345, 97.4444



65.0191, 73.7324, 105.4126



36.2541, 70.1989, 19.1995



13.2051, 15.1147, 22.4714



0.0000, 0.0000, 0.0000



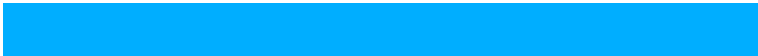
20.3446, 21.4041, 23.3091

Same Dimension

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



32.3246, 36.5345, 97.4444



33.1908, 37.5017, 100.0969



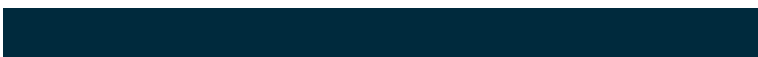
18.5590, 9.0032, 92.8559



17.2738, 18.6245, 22.0697



16.9739, 19.3033, 50.8048



1.6674, 1.9785, 4.7372

Inverse Universe

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



47.5926, 23.6759, 41.0920



48.8824, 24.3170, 42.1743



62.1723, 64.7491, 9.2231



17.7448, 17.4253, 20.5116



24.8596, 12.3596, 21.7671



2.3505, 1.1640, 2.2694

Previews

White Background



This preview shows how the XYZ color 32.3232, 36.5333, 97.4435 looks on a white background.

Color Contrast Check

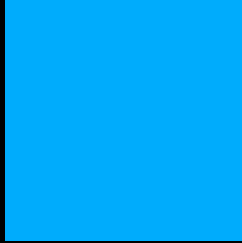
Large Text (above 18pt) WCAG AA × Fail

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 32.3232, 36.5333, 97.4435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

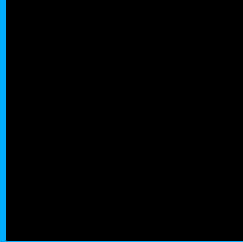
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

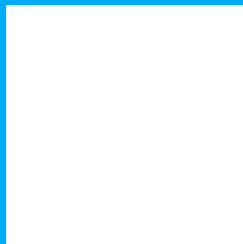
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3232, 36.5333, 97.4435

Background



This preview shows how black text looks on a background with the XYZ color 32.3232, 36.5333, 97.4435.

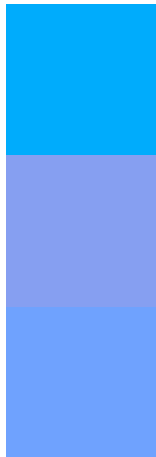


This preview shows how white text looks on a background with the XYZ color 32.3232, 36.5333,

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

32.3232, 36.5333, 97.4435

Protanopia

38.1068, 36.2155, 88.2009

Deuteranopia

37.3653, 36.3759, 98.8178



Tritanopia

25.9469, 36.4928, 56.1283

Trichromacy



Original Color

32.3232, 36.5333, 97.4435



Protanomaly

33.5032, 35.0748, 91.3905



Deuteranomaly

33.9644, 35.7039, 98.0299



Tritanomaly

27.8597, 36.2993, 69.1564

Monochromacy



Original Color

32.3232, 36.5333, 97.4435



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

21.3327, 25.1458, 43.7737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3232, 36.5333, 97.4435 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, 172, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 252)  
}
```

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, 172, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 252) }
```

Border

The CSS property to change the border of an element to XYZ 32.3232, 36.5333, 97.4435 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, 172, 252) }
```


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

```
.border{ border-color:rgb(0, 172, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3232, 36.5333, 97.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 252) }
```

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

```
.background{ background-color: rgb(0, 172,  
252) }
```

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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