

Converting Colors

XYZ(32.7838, 36.4467, 99.9148)

Have a look what the booklet for
XYZ(32.7838, 36.4467, 99.9148)
contains.

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Color

**XYZ(32.7789, 36.4314,
99.9121)**

Conversions

Conversions Part 1

Format	Color
Hex	0DABFF
RGB	13, 171, 255
RGB Percent	5%, 67%, 100%
CMY	0.9488, 0.3294, 0.0000
CMYK	0.95, 0.33, 0.00, 0.00
HSL	201°, 100%, 53%
HSV	201°, 95%, 100%
XYZ	32.7789, 36.4314, 99.9121
YIQ	133.3340, -121.1320, -7.3720

Conversions

Conversions Part 2

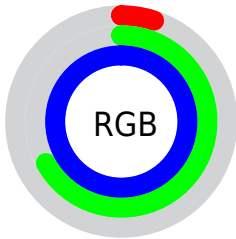
Format	Color
RYB	13, 109, 255
Decimal	895999
CIELab	66.85, -6.47, -51.51
CIELCh	67, 51.912, 262.841
Yxy	36.4314, 0.1938, 0.2154
Android (android.graphics.Color)	4279086079 (0xFF0DABFF)
YUV	133.3340, 59.9813, -105.5329
Hunter-Lab	60.3584, -8.6891, -55.8926

Details

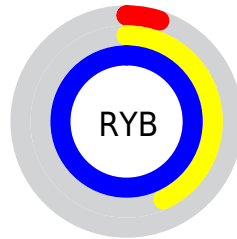
The XYZ color **32.7789, 36.4314, 99.9121** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **45.5936, 29.8502, 3.7416**, and the grayscale version is **22.2432, 23.4016, 25.4844**.

A 20% lighter version of the original color is **52.1858, 65.1901, 104.4402**, and **16.7899, 17.2709, 55.8748** is the 20% darker color. If you saturate the color by 10%, you get **31.7710, 34.6621, 99.6237**, and if you desaturate by 10%, it is **35.1623, 40.2269, 100.5191**.

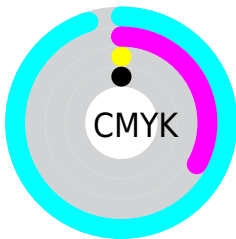
Distribution



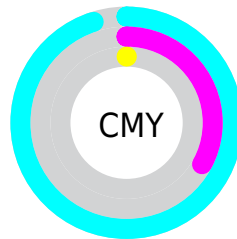
- Red (5%)
- Green (67%)
- Blue (100%)



- Red (5%)
- Yellow (43%)
- Blue (100%)



- Cyan (95%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (95%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7789, 36.4314, 99.9121 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 32.7789, 36.4314, 99.9121 by changing the saturation by 10% instead.

■ 32.7789, 36.4314,
99.9121

■ 32.7789, 36.4314,
99.9121

306.3349,
330.8422, 581.1551

■ 22.1155, 24.7676,
75.6107

■ 63.3872, 69.6974,
163.0872

■ 14.0589, 15.9040,
55.6086

■ 84.0628, 92.0684,
202.7979

■ 8.2436, 9.4562,
39.4873

■ 108.8066,
118.7771, 248.4822

■ 4.3043, 5.0399,
26.8283

■ 137.9838,
150.2081, 300.5585

■ 1.8757, 2.2707,
17.2130

■ 171.9599,
186.7457, 359.4454

■ 0.5627, 0.7581,
10.2229

211.1003,

■ 0.0000, 0.0000,

228.7744, 425.5615

5.4395

255.7701,
276.6784, 499.3252

■ 0.0000, 0.0000,
2.4441

■ 0.0000, 0.0000,
0.8103

■ 32.7789, 36.4314,
99.9121

■ 32.7789, 36.4314,
99.9121

■ 31.7710, 34.6621,
99.6237

■ 35.1623, 40.2269,
100.5191

■ 38.3035, 44.5821,
101.1941

■ 42.3183, 49.5601,
101.9434

■ 47.3002, 55.2121,
102.7718

■ 53.3295, 61.5825,
103.6836

■ 60.4779, 68.7110,
104.6828

■ 68.8101, 76.6337,
105.7729

■ 78.3857, 85.3842,
106.9572

■ 89.2601, 94.9934,
108.2388

Harmonies

Analogous

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



26.2829, 36.4314, 85.0817



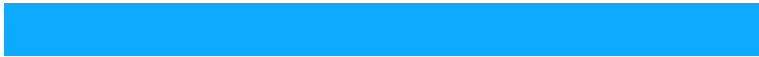
32.7789, 36.4314, 99.9121



40.8258, 36.4314, 94.3642

Triad

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



32.7789, 36.4314, 99.9121



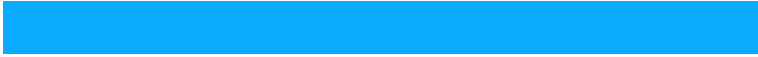
50.4916, 36.4314, 25.1366



23.9324, 36.4314, 18.8592

Complementary

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



32.7789, 36.4314, 99.9121



45.5936, 29.8502, 3.7416

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.



29.0896, 36.4314, 11.6693



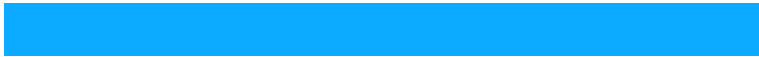
32.7789, 36.4314, 99.9121



44.5728, 36.4314, 14.2194

Square

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



32.7789, 36.4314, 99.9121



51.8754, 36.4314, 45.3051



36.5432, 36.4314, 10.3699



21.7008, 36.4314, 34.5183

Rectangle

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



32.7789, 36.4314, 99.9121



45.9436, 36.4314, 80.5803



36.5432, 36.4314, 10.3699



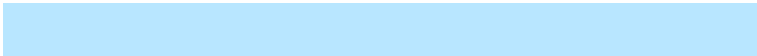
25.3402, 36.4314, 15.6558

Sweetspot

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



32.7802, 36.4325, 99.9122



66.0769, 74.0718, 105.4224



37.9343, 72.4090, 22.4985



13.3769, 15.1248, 22.4643



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.



32.7802, 36.4325, 99.9122



31.7710, 34.6621, 99.6237



19.5078, 9.8877, 95.4881



17.9929, 19.3574, 23.0380



16.7461, 18.4017, 52.1039



1.7327, 1.9962, 5.1072

Inverse Universe

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



48.7356, 24.4898, 40.6873



48.1657, 24.0303, 38.4005



65.5314, 69.7260, 10.3875



18.5091, 18.1869, 21.2979



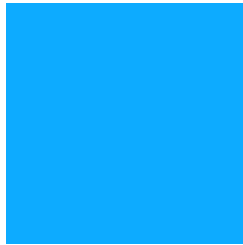
25.2408, 12.5856, 20.4505



2.5092, 1.2461, 2.2629

Previews

White Background



This preview shows how the XYZ color 32.7789, 36.4314, 99.9121 looks on a white background.

Color Contrast Check

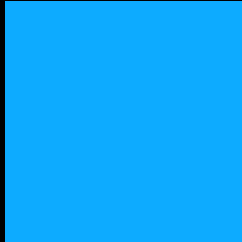
Large Text (above 18pt) WCAG AA × Fail

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 32.7789, 36.4314, 99.9121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

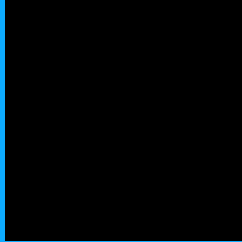
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

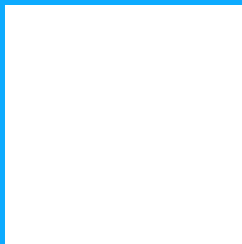
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7789, 36.4314, 99.9121

Background



This preview shows how black text looks on a background with the XYZ color 32.7789, 36.4314, 99.9121.



This preview shows how white text looks on a background with the XYZ color 32.7789, 36.4314,

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

32.7789, 36.4314, 99.9121

Protanopia

38.0873, 36.1532, 90.5588

Deuteranopia

37.2770, 36.3119, 99.6519

Trichromacy



Original Color

32.7789, 36.4314, 99.9121

Protanomaly

34.0650, 35.0464, 93.7762

Deuteranomaly

34.3292, 35.5861, 99.6672

Monochromacy



Original Color

32.7789, 36.4314, 99.9121

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4894, 26.1656, 45.4601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7789, 36.4314, 99.9121 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(13, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(13, 171, 255)  
}
```

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(13, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.7789, 36.4314, 99.9121 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(13, 171, 255) }
```

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

```
.border{ border-color:rgb(13, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(13, 171,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 32.7789, 36.4314, 99.9121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 171, 255) }
```

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

```
.background{ background-color: rgb(13, 171,  
255) }
```

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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