

Converting Colors

XYZ(44.8093, 41.3828,
162.5031)

Have a look what the booklet for
XYZ(44.8093, 41.3828, 162.5031)
contains.

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Color

**XYZ(32.8441, 36.4650,
99.9151)**

Conversions

Conversions Part 1

Format	Color
Hex	11ABFF
RGB	17, 171, 255
RGB Percent	7%, 67%, 100%
CMY	0.9331, 0.3294, 0.0000
CMYK	0.93, 0.33, 0.00, 0.00
HSL	201°, 100%, 53%
HSV	201°, 93%, 100%
XYZ	32.8441, 36.4650, 99.9151
YIQ	134.5300, -118.7480, -6.5240

Conversions

Conversions Part 2

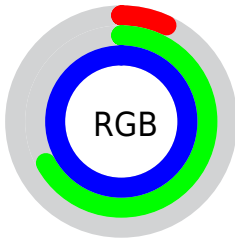
Format	Color
R _Y B	17, 110, 255
Decimal	1158143
CIE Lab	66.87, -6.35, -51.47
CIE LCh	67, 51.855, 262.970
Yxy	36.4650, 0.1941, 0.2155
Android (android.graphics.Color)	4279348223 (0xFF11ABFF)
YUV	134.5300, 59.3917, -103.0738
Hunter-Lab	60.3863, -8.5898, -55.8309

Details

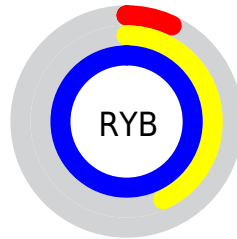
The XYZ color **32.8441, 36.4650, 99.9151** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **46.0005, 30.6184, 4.0180**, and the grayscale version is **22.6808, 23.8620, 25.9857**.

A 20% lighter version of the original color is **52.3166, 65.2576, 104.4463**, and **16.7899, 17.2709, 55.8748** is the 20% darker color. If you saturate the color by 10%, you get **31.5017, 34.1234, 99.5339**, and if you desaturate by 10%, it is **35.3497, 40.3680, 100.5364**.

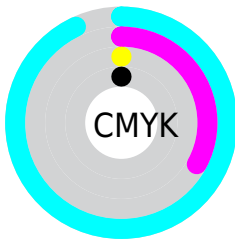
Distribution



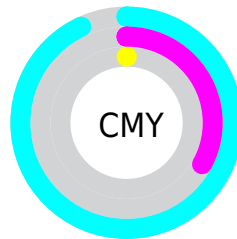
- Red (7%)
- Green (67%)
- Blue (100%)



- Red (7%)
- Yellow (43%)
- Blue (100%)



- Cyan (93%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8441, 36.4650, 99.9151 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 32.8441, 36.4650, 99.9151 by changing the saturation by 10% instead.

■ 32.8441, 36.4650,
99.9151

■ 32.8441, 36.4650,
99.9151

306.6241,
330.9884, 581.1648

■ 22.1657, 24.7935,
75.6131

■ 63.4884, 69.7492,
163.0914

■ 14.0960, 15.9233,
55.6106

■ 84.1849, 92.1307,
202.8028

■ 8.2696, 9.4699,
39.4889

■ 108.9516,
118.8510, 248.4877

■ 4.3212, 5.0489,
26.8295

■ 138.1538,
150.2945, 300.5648

■ 1.8854, 2.2760,
17.2139

■ 172.1567,
186.8456, 359.4525

■ 0.5683, 0.7610,
10.2236

211.3259,

■ 0.0000, 0.0000,

228.8887, 425.5693

5.4399

256.0265,
276.8082, 499.3339

■ 0.0000, 0.0000,
2.4444

■ 0.0000, 0.0000,
0.8105

■ 32.8441, 36.4650,
99.9151

■ 32.8441, 36.4650,
99.9151

■ 31.5017, 34.1234,
99.5339

■ 35.3497, 40.3680,
100.5364

■ 38.6365, 44.8484,
101.2280

■ 42.8163, 49.9677,
101.9958

■ 47.9803, 55.7759,
102.8447

■ 54.2075, 62.3168,
103.7791

■ 61.5682, 69.6296,
104.8026

■ 70.1264, 77.7503,
105.9190

■ 79.9412, 86.7120,
107.1315

■ 91.0673, 96.5459,
108.4432

Harmonies

Analogous

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



26.3403, 36.4650, 85.1772



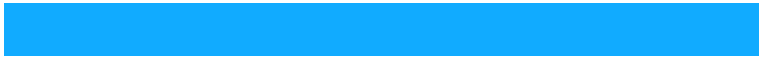
32.8441, 36.4650, 99.9151



40.8891, 36.4650, 94.2845

Triad

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



32.8441, 36.4650, 99.9151



50.4962, 36.4650, 25.1112



23.9517, 36.4650, 18.9462

Complementary

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



32.8441, 36.4650, 99.9151



46.0005, 30.6184, 4.0180

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.



29.0960, 36.4650, 11.7216



32.8441, 36.4650, 99.9151



44.5668, 36.4650, 14.2273

Square

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



32.8441, 36.4650, 99.9151



51.9012, 36.4650, 45.2335



36.5393, 36.4650, 10.3991



21.7332, 36.4650, 34.6449

Rectangle

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



32.8441, 36.4650, 99.9151



45.9986, 36.4650, 80.4775



36.5393, 36.4650, 10.3991



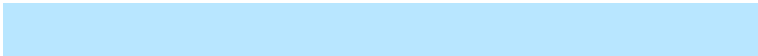
25.3552, 36.4650, 15.7298

Sweetspot

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



32.8454, 36.4661, 99.9153



65.9612, 73.8404, 105.3838



38.3087, 72.5663, 24.1296



13.3489, 15.0689, 22.4550



0.0000, 0.0000, 0.0000



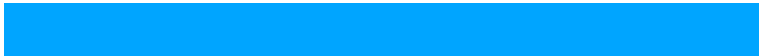
20.3446, 21.4041, 23.3091

Same Dimension

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



32.8454, 36.4661, 99.9153



31.5017, 34.1234, 99.5339



19.5437, 9.8628, 95.4814



17.9837, 19.3390, 23.0349



16.6061, 18.1218, 52.0572



1.7198, 1.9702, 5.1029

Inverse Universe

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



48.7921, 24.6029, 40.7061



48.0298, 23.9759, 37.6846



66.7536, 72.1247, 10.9357



18.5044, 18.1851, 21.2734



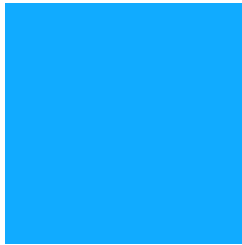
25.1702, 12.5574, 20.0785



2.5027, 1.2434, 2.2284

Previews

White Background



This preview shows how the XYZ color 32.8441, 36.4650, 99.9151 looks on a white background.

Color Contrast Check

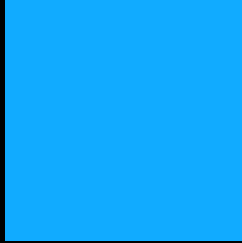
Large Text (above 18pt) WCAG AA × Fail

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 32.8441, 36.4650, 99.9151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

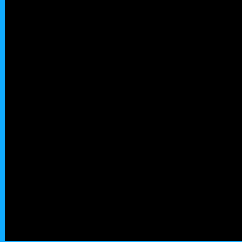
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

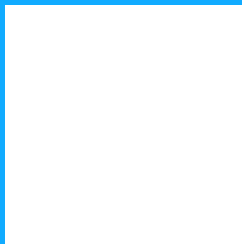
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8441, 36.4650, 99.9151

Background



This preview shows how black text looks on a background with the XYZ color 32.8441, 36.4650, 99.9151.

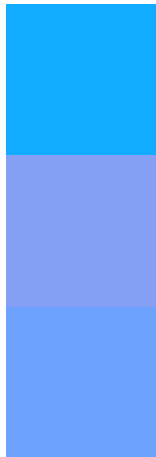


This preview shows how white text looks on a background with the XYZ color 32.8441, 36.4650,

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

32.8441, 36.4650, 99.9151

Protanopia

38.2430, 36.2335, 90.5661

Deuteranopia

37.2770, 36.3119, 99.6519



Tritanopia

25.9469, 36.4928, 56.1283

Trichromacy



Original Color

32.8441, 36.4650, 99.9151



Protanomaly

34.2569, 35.1454, 93.7851



Deuteranomaly

34.4856, 35.6668, 99.6745



Tritanomaly

28.1919, 36.4409, 70.5137

Monochromacy



Original Color

32.8441, 36.4650, 99.9151



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

23.1402, 26.7098, 46.5837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8441, 36.4650, 99.9151 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(17, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(17, 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(17, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.8441, 36.4650, 99.9151 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(17, 171, 255) }
```


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

```
.border{ border-color:rgb(17, 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(17, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(17, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8441, 36.4650, 99.9151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 171, 255) }
```

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

```
.background{ background-color: rgb(17, 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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