

Converting Colors

XYZ(31.0036, 31.7976,
102.6431)

Have a look what the booklet for
XYZ(31.0036, 31.7976, 102.6431)
contains.

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Color

**XYZ(30.2730, 31.4195,
99.0768)**

Conversions

Conversions Part 1

Format	Color
Hex	0D9DFF
RGB	13, 157, 255
RGB Percent	5%, 62%, 100%
CMY	0.9487, 0.3843, 0.0000
CMYK	0.95, 0.38, 0.00, 0.00
HSL	204°, 100%, 53%
HSV	204°, 95%, 100%
XYZ	30.2730, 31.4195, 99.0768
YIQ	125.1160, -117.2820, -0.0500

Conversions

Conversions Part 2

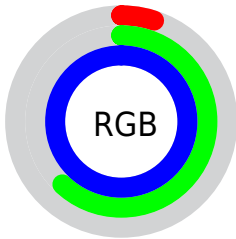
Format	Color
R_{YB}	13, 103, 255
Decimal	892415
CIE _{Lab}	62.86, 1.55, -57.84
CIE _{LCh}	63, 57.861, 271.532
Yxy	31.4195, 0.1883, 0.1954
Android (android.graphics.Color)	4279082495 (0xFF0D9DFF)
YUV	125.1160, 64.0328, -98.3257
Hunter-Lab	56.0531, -1.6891, -65.5610

Details

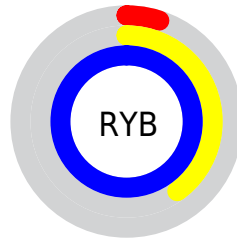
The XYZ color **30.2730, 31.4195, 99.0768** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **47.0049, 32.6729, 4.2122**, and the grayscale version is **19.3588, 20.3670, 22.1797**.

A 20% lighter version of the original color is **48.2837, 57.3859, 103.1395**, and **15.3471, 14.3853, 55.3938** is the 20% darker color. If you saturate the color by 10%, you get **29.2308, 29.5816, 98.7769**, and if you desaturate by 10%, it is **32.7498, 35.4016, 99.7148**.

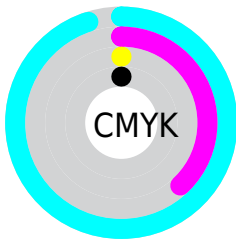
Distribution



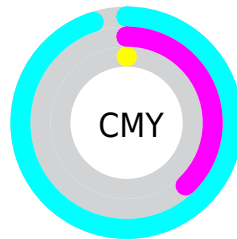
- Red (5%)
- Green (62%)
- Blue (100%)



- Red (5%)
- Yellow (40%)
- Blue (100%)



- Cyan (95%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (95%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2730, 31.4195, 99.0768 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 30.2730, 31.4195, 99.0768 by changing the saturation by 10% instead.

■ 30.2730, 31.4195,
99.0768

■ 30.2730, 31.4195,
99.0768

295.0619,
308.4663, 578.4501

■ 20.1950, 20.9185,
74.9172

■ 59.4773, 61.8999,
161.9287

■ 12.6460, 13.0644,
55.0437

■ 79.3343, 82.6482,
201.4581

■ 7.2605, 7.4729,
39.0379

■ 103.1817,
107.5809, 246.9478

■ 3.6733, 3.7596,
26.4811

■ 131.3849,
137.0826, 298.8163

■ 1.5190, 1.5400,
16.9549

■ 164.3091,
171.5375, 357.4823

■ 0.3387, 0.3166,
10.0408

202.3198,

■ 0.0000, 0.0000,

211.3302, 423.3642

5.3200

245.7823,
256.8450, 496.8807

■ 0.0000, 0.0000,
2.3742

■ 0.0000, 0.0000,
0.7724

■ 30.2730, 31.4195,
99.0768

■ 30.2730, 31.4195,
99.0768

■ 29.2308, 29.5816,
98.7769

■ 32.7498, 35.4016,
99.7148

■ 36.0216, 40.0178,
100.4334

■ 40.2055, 45.3338,
101.2390

■ 45.3962, 51.4033,
102.1369

■ 51.6754, 58.2731,
103.1320

■ 59.1158, 65.9853,
104.2284

■ 67.7833, 74.5784,
105.4302

■ 77.7385, 84.0879,
106.7411

■ 89.0381, 94.5472,
108.1644

Harmonies

Analogous

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



23.1680, 31.4195, 88.7594



30.2730, 31.4195, 99.0768



38.5699, 31.4195, 86.5722

Triad

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



30.2730, 31.4195, 99.0768



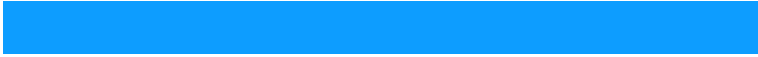
44.8388, 31.4195, 16.0755



18.3631, 31.4195, 17.3296

Complementary

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



30.2730, 31.4195, 99.0768



47.0049, 32.6729, 4.2122

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.



22.5767, 31.4195, 8.8543



30.2730, 31.4195, 99.0768



37.7382, 31.4195, 8.3883

Square

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



30.2730, 31.4195, 99.0768



47.8492, 31.4195, 33.0557



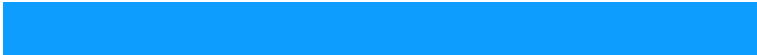
29.4573, 31.4195, 6.4901



17.0655, 31.4195, 35.3919

Rectangle

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



30.2730, 31.4195, 99.0768



43.4656, 31.4195, 69.2067



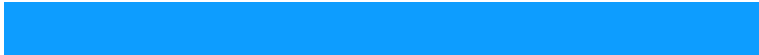
29.4573, 31.4195, 6.4901



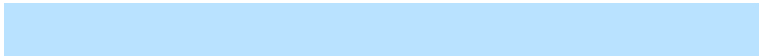
19.4437, 31.4195, 13.5990

Sweetspot

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



30.2742, 31.4204, 99.0769



64.9391, 71.7962, 105.0431



38.7328, 72.7284, 26.7031



13.1025, 14.5761, 22.3728



0.0000, 0.0000, 0.0000



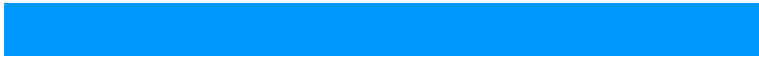
20.3446, 21.4041, 23.3091

Same Dimension

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



30.2742, 31.4204, 99.0769



29.2308, 29.5816, 98.7769



18.8867, 8.6456, 95.2811



17.9016, 19.1749, 23.0076



15.4241, 15.7578, 51.6632



1.6091, 1.7489, 5.0660

Inverse Universe

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



47.4707, 23.9840, 34.0262



46.8835, 23.5174, 31.6485



69.8350, 78.3330, 11.8222



18.4630, 18.1685, 21.0553



24.5736, 12.3187, 16.9367



2.4468, 1.2211, 1.9343

Previews

White Background



This preview shows how the XYZ color 30.2730, 31.4195, 99.0768 looks on a white background.

Color Contrast Check

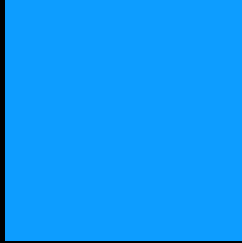
Large Text (above 18pt) WCAG AA × Fail

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 30.2730, 31.4195, 99.0768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

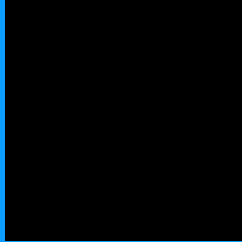
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

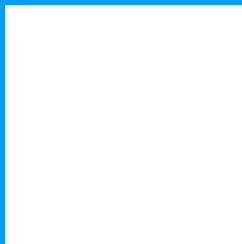
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2730, 31.4195, 99.0768

Background



This preview shows how black text looks on a background with the XYZ color 30.2730, 31.4195, 99.0768.



This preview shows how white text looks on a background with the XYZ color 30.2730, 31.4195,

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

30.2730, 31.4195, 99.0768

Protanopia

33.9065, 31.2784, 91.4390

Deuteranopia

32.3388, 31.2543, 98.9360



Tritanopia

22.2409, 31.3006, 48.0494

Trichromacy



Original Color

30.2730, 31.4195, 99.0768

Protanomaly

31.1460, 30.5093, 93.8698

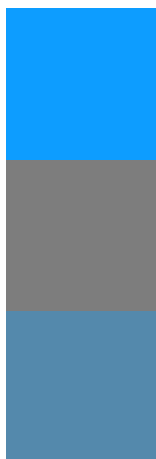
Deuteranomaly

31.1269, 31.1155, 98.9731

Tritanomaly

24.6005, 31.0882, 63.7355

Monochromacy



Original Color

30.2730, 31.4195, 99.0768

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.0482, 22.7547, 42.3652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2730, 31.4195, 99.0768 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, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(13, 157, 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, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.2730, 31.4195, 99.0768 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, 157, 255) }
```


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

```
.border{ border-color:rgb(13, 157, 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, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(13, 157,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2730, 31.4195, 99.0768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 157, 255) }
```

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

```
.background{ background-color: rgb(13, 157,  
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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