

Converting Colors

XYZ(30.1659, 31.2622, 99.0520)

Have a look what the booklet for
XYZ(30.1659, 31.2622, 99.0520)
contains.

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Color

**XYZ(30.2321, 31.3985,
99.0748)**

Conversions

Conversions Part 1

Format	Color
Hex	0A9DFF
RGB	10, 157, 255
RGB Percent	4%, 62%, 100%
CMY	0.9605, 0.3843, 0.0000
CMYK	0.96, 0.38, 0.00, 0.00
HSL	204°, 100%, 52%
HSV	204°, 96%, 100%
XYZ	30.2321, 31.3985, 99.0748
YIQ	124.2190, -119.0700, -0.6860

Conversions

Conversions Part 2

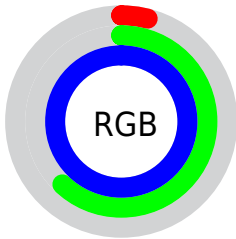
Format	Color
R_{YB}	10, 102, 255
Decimal	695807
CIE _{Lab}	62.84, 1.47, -57.87
CIE _{LCh}	63, 57.888, 271.454
Yxy	31.3985, 0.1881, 0.1954
Android (android.graphics.Color)	4278885887 (0xFF0A9DFF)
YUV	124.2190, 64.4750, -100.1701
Hunter-Lab	56.0344, -1.7544, -65.6071

Details

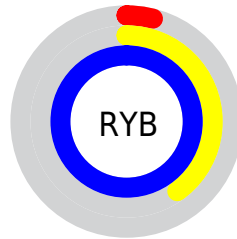
The XYZ color **30.2321, 31.3985, 99.0748** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **46.6651, 32.0218, 4.0105**, and the grayscale version is **19.0588, 20.0514, 21.8359**.

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 **29.4367, 29.9933, 98.8456**, and if you desaturate by 10%, it is **32.6188, 35.2997, 99.7021**.

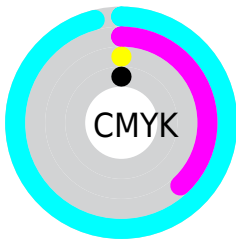
Distribution



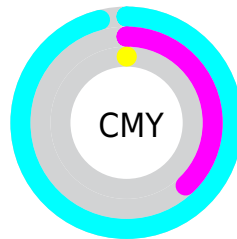
- Red (4%)
- Green (62%)
- Blue (100%)



- Red (4%)
- Yellow (40%)
- Blue (100%)



- Cyan (96%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2321, 31.3985, 99.0748 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 30.2321, 31.3985, 99.0748 by changing the saturation by 10% instead.

■ 30.2321, 31.3985,
99.0748

■ 30.2321, 31.3985,
99.0748

294.8753,
308.3700, 578.4436

■ 20.1638, 20.9025,
74.9155

■ 59.4131, 61.8669,
161.9259

■ 12.6231, 13.0527,
55.0424

■ 79.2566, 82.6081,
201.4549

■ 7.2447, 7.4649,
39.0368

■ 103.0891,
107.5332, 246.9441

■ 3.6633, 3.7545,
26.4803

■ 131.2760,
137.0265, 298.8122

■ 1.5135, 1.5372,
16.9543

■ 164.1828,
171.4724, 357.4776

■ 0.3350, 0.3147,
10.0403

202.1747,

■ 0.0000, 0.0000,

211.2554, 423.3590

5.3197

245.6170,
256.7598, 496.8748

■ 0.0000, 0.0000,
2.3741

■ 0.0000, 0.0000,
0.7723

■ 30.2321, 31.3985,
99.0748

■ 30.2321, 31.3985,
99.0748

■ 29.4367, 29.9933,
98.8456

■ 32.6188, 35.2997,
99.7021

■ 35.7815, 39.8197,
100.4078

■ 39.8405, 45.0256,
101.1987

■ 44.8924, 50.9719,
102.0802

■ 51.0200, 57.7060,
103.0571

■ 58.2968, 65.2701,
104.1336

■ 66.7893, 73.7027,
105.3136

■ 76.5587, 83.0397,
106.6009

■ 87.6617, 93.3144,
107.9990

Harmonies

Analogous

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



23.1329, 31.3985, 88.6964



30.2321, 31.3985, 99.0748



38.5297, 31.3985, 86.6196

Triad

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



30.2321, 31.3985, 99.0748



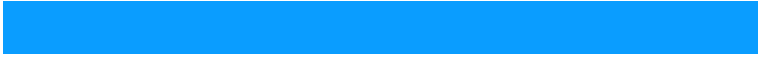
44.8348, 31.3985, 16.0859



18.3513, 31.3985, 17.2757

Complementary

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



30.2321, 31.3985, 99.0748



46.6651, 32.0218, 4.0105

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.



22.5717, 31.3985, 8.8253



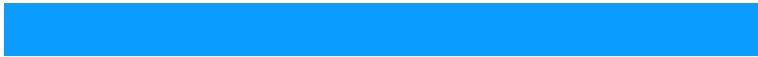
30.2321, 31.3985, 99.0748



37.7402, 31.3985, 8.3835

Square

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



30.2321, 31.3985, 99.0748



47.8323, 31.3985, 33.0910



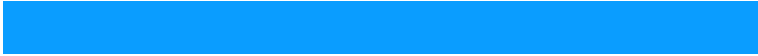
29.4579, 31.3985, 6.4753



17.0465, 31.3985, 35.3083

Rectangle

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



30.2321, 31.3985, 99.0748



43.4305, 31.3985, 69.2648



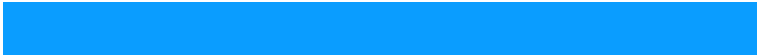
29.4579, 31.3985, 6.4753



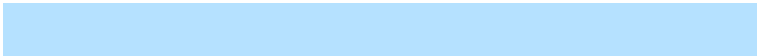
19.4342, 31.3985, 13.5547

Sweetspot

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



30.2333, 31.3994, 99.0750



64.1545, 71.1232, 104.9546



38.5951, 72.6686, 26.1915



12.9574, 14.4541, 22.3569



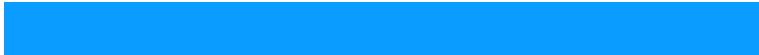
0.0000, 0.0000, 0.0000



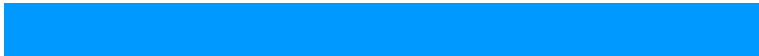
20.3446, 21.4041, 23.3091

Same Dimension

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



30.2333, 31.3994, 99.0750



29.4367, 29.9933, 98.8456



18.7643, 8.4615, 95.2520



17.9094, 19.1904, 23.0101



15.5314, 15.9724, 51.6990



1.6192, 1.7691, 5.0694

Inverse Universe

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



47.4352, 23.9130, 34.0145



46.9875, 23.5590, 32.1957



69.7333, 78.1583, 11.6999



18.4669, 18.1701, 21.0760



24.6277, 12.3404, 17.2219



2.4519, 1.2231, 1.9612

Previews

White Background



This preview shows how the XYZ color 30.2321, 31.3985, 99.0748 looks on a white background.

Color Contrast Check

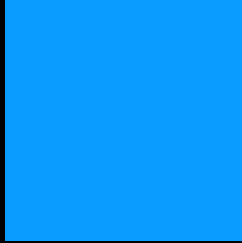
Large Text (above 18pt) WCAG AA × Fail

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 30.2321, 31.3985, 99.0748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

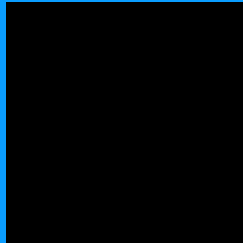
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

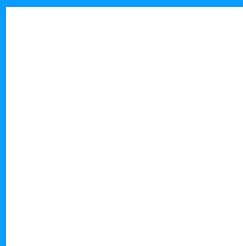
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2321, 31.3985, 99.0748

Background



This preview shows how black text looks on a background with the XYZ color 30.2321, 31.3985, 99.0748.



This preview shows how white text looks on a background with the XYZ color 30.2321, 31.3985,

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

30.2321, 31.3985, 99.0748

Protanopia

33.9065, 31.2784, 91.4390

Deuteranopia

32.3388, 31.2543, 98.9360



Tritanopia

22.2409, 31.3006, 48.0494

Trichromacy



Original Color

30.2321, 31.3985, 99.0748

Protanomaly

31.0671, 30.4686, 93.8662

Deuteranomaly

31.0738, 31.0881, 98.9706

Tritanomaly

24.5880, 31.0817, 63.7349

Monochromacy



Original Color

30.2321, 31.3985, 99.0748

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.8178, 22.4259, 42.3138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2321, 31.3985, 99.0748 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(10, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 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(10, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.2321, 31.3985, 99.0748 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(10, 157, 255) }
```


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

```
.border{ border-color:rgb(10, 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(10, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 157,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2321, 31.3985, 99.0748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 157, 255) }
```

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

```
.background{ background-color: rgb(10, 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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