

Converting Colors

XYZ(31.2615, 33.0294, 99.3354)

Have a look what the booklet for
XYZ(31.2615, 33.0294, 99.3354)
contains.

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Color

**XYZ(31.2209, 32.9294,
99.3182)**

Conversions

Conversions Part 1

Format	Color
Hex	1AA1FF
RGB	26, 161, 255
RGB Percent	10%, 63%, 100%
CMY	0.8979, 0.3686, 0.0000
CMYK	0.90, 0.37, 0.00, 0.00
HSL	205°, 100%, 55%
HSV	205°, 90%, 100%
XYZ	31.2209, 32.9294, 99.3182
YIQ	131.3510, -110.6340, 0.6140

Conversions

Conversions Part 2

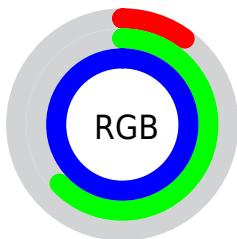
Format	Color
R _Y B	26, 111, 255
Decimal	1745407
CIE Lab	64.10, -0.29, -55.85
CIE LCh	64, 55.854, 269.707
Yxy	32.9294, 0.1910, 0.2014
Android (android.graphics.Color)	4279935487 (0xFF1AA1FF)
YUV	131.3510, 60.9590, -92.3928
Hunter-Lab	57.3841, -3.3060, -62.4479

Details

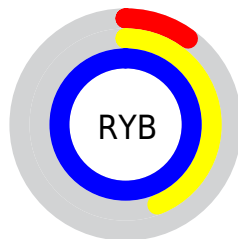
The XYZ color **31.2209, 32.9294, 99.3182** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **48.1477, 34.7764, 5.1543**, and the grayscale version is **21.5204, 22.6411, 24.6562**.

A 20% lighter version of the original color is **49.6866, 59.6028, 103.4935**, and **15.7690, 15.2291, 55.5345** is the 20% darker color. If you saturate the color by 10%, you get **29.0483, 29.2066, 98.7142**, and if you desaturate by 10%, it is **34.0944, 37.2417, 99.9991**.

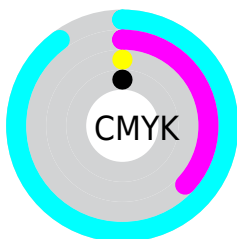
Distribution



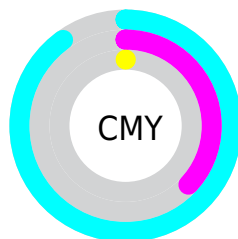
- Red (10%)
- Green (63%)
- Blue (100%)



- Red (10%)
- Yellow (44%)
- Blue (100%)



- Cyan (90%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2209, 32.9294, 99.3182 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 31.2209, 32.9294, 99.3182 by changing the saturation by 10% instead.

31.2209, 32.9294,
99.3182

31.2209, 32.9294,
99.3182

299.3635,
315.3315, 579.2325

20.9198, 22.0724,
75.1176

60.9612, 64.2653,
162.2636

13.1775, 13.9101,
55.2069

81.1310, 85.5129,
201.8455

7.6287, 8.0582,
39.1677

105.3211,
110.9929, 247.3915

3.9081, 4.1322,
26.5814

133.8969,
141.0896, 299.3201

1.6503, 1.7478,
17.0294

167.2237,
176.1874, 358.0500

0.4248, 0.4543,
10.0933

205.6668,

0.0000, 0.0000,

216.6707, 423.9997

5.3544

249.5916,
262.9240, 497.5877

■ 0.0000, 0.0000,
2.3943

■ 0.0000, 0.0000,
0.7834

■ 31.2209, 32.9294,
99.3182

■ 31.2209, 32.9294,
99.3182

■ 29.0483, 29.2066,
98.7142

■ 34.0944, 37.2417,
99.9991

■ 29.0062, 29.1324,
98.7021

■ 37.8291, 42.2303,
100.7652

■ 42.5300, 47.9550,
101.6224

■ 48.2846, 54.4658,
102.5758

■ 55.1699, 61.8073,
103.6300

■ 63.2549, 70.0198,
104.7890

■ 72.6030, 79.1405,
106.0568

■ 83.2726, 89.2041,
107.4369

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



24.2449, 32.9294, 88.0588



31.2209, 32.9294, 99.3182



39.4453, 32.9294, 88.4638

Triad

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



31.2209, 32.9294, 99.3182



46.4317, 32.9294, 18.3287



19.9298, 32.9294, 18.0838

Complementary

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



31.2209, 32.9294, 99.3182



48.1477, 34.7764, 5.1543

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.



24.3584, 32.9294, 9.7892



31.2209, 32.9294, 99.3182



39.6023, 32.9294, 9.8830

Square

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



31.2209, 32.9294, 99.3182



49.0769, 32.9294, 36.0771



31.3760, 32.9294, 7.5749



18.4340, 32.9294, 35.6328

Rectangle

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



31.2209, 32.9294, 99.3182



44.3723, 32.9294, 71.9848



31.3760, 32.9294, 7.5749



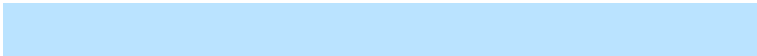
21.0836, 32.9294, 14.4389

Sweetspot

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



31.2221, 32.9304, 99.3184



65.7326, 72.4708, 105.1315



39.4346, 73.0392, 29.0418



13.4232, 14.8716, 22.4130



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.



31.2221, 32.9304, 99.3184



29.0062, 29.1324, 98.7021



19.5725, 9.6312, 95.4352



17.8930, 19.1577, 23.0047



15.3070, 15.5236, 51.6242



1.5980, 1.7267, 5.0623

Inverse Universe

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



48.0434, 24.5737, 35.9299



46.7702, 23.4721, 31.0515



70.3127, 79.1064, 12.5427



18.4587, 18.1668, 21.0324



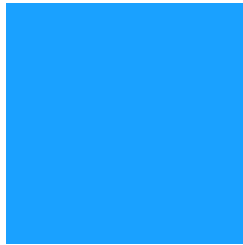
24.5145, 12.2951, 16.6255



2.4412, 1.2189, 1.9048

Previews

White Background



This preview shows how the XYZ color 31.2209, 32.9294, 99.3182 looks on a white background.

Color Contrast Check

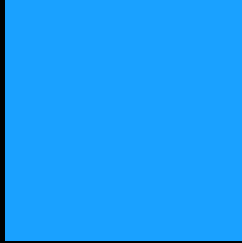
Large Text (above 18pt) WCAG AA × Fail

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 31.2209, 32.9294, 99.3182 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

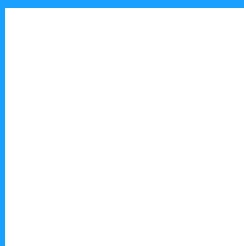
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2209, 32.9294, 99.3182

Background



This preview shows how black text looks on a background with the XYZ color 31.2209, 32.9294, 99.3182.



This preview shows how white text looks on a background with the XYZ color 31.2209, 32.9294,

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

31.2209, 32.9294, 99.3182

Protanopia

35.1724, 32.6386, 91.6349

Deuteranopia

33.7958, 32.7374, 99.1455



Tritanopia

23.2146, 32.5865, 50.4137

Trichromacy



Original Color

31.2209, 32.9294, 99.3182

Protanomaly

32.5665, 32.2135, 94.1239

Deuteranomaly

32.2869, 32.4578, 99.1710

Tritanomaly

25.5642, 32.3487, 65.8693

Monochromacy



Original Color

31.2209, 32.9294, 99.3182

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.0237, 24.8077, 44.7019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2209, 32.9294, 99.3182 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(26, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 161, 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(26, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.2209, 32.9294, 99.3182 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(26, 161, 255) }
```


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

```
.border{ border-color:rgb(26, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2209, 32.9294, 99.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 161, 255) }
```

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

```
.background{ background-color: rgb(26, 161,  
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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