

Converting Colors

XYZ(31.4201, 32.7737, 99.2777)

Have a look what the booklet for
XYZ(31.4201, 32.7737, 99.2777)
contains.

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Color

**XYZ(31.4201, 32.7737,
99.2777)**

Conversions

Conversions Part 1

Format	Color
Hex	26A0FF
RGB	38, 160, 255
RGB Percent	15%, 63%, 100%
CMY	0.8509, 0.3725, 0.0000
CMYK	0.85, 0.37, 0.00, 0.00
HSL	206°, 100%, 57%
HSV	206°, 85%, 100%
XYZ	31.4201, 32.7737, 99.2777
YIQ	134.3520, -103.2070, 3.6810

Conversions

Conversions Part 2

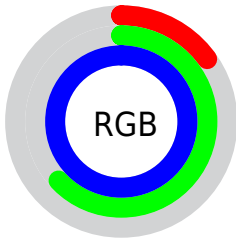
Format	Color
R _Y B	38, 116, 255
Decimal	2531583
CIE Lab	63.98, 0.99, -56.05
CIE LCh	64, 56.054, 271.014
Yxy	32.7737, 0.1922, 0.2005
Android (android.graphics.Color)	4280721663 (0xFF26A0FF)
YUV	134.3520, 59.4795, -84.5007
Hunter-Lab	57.2483, -2.2168, -62.7445

Details

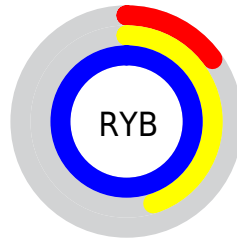
The XYZ color **31.4201, 32.7737, 99.2777** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **49.9808, 38.1813, 6.5712**, and the grayscale version is **22.6076, 23.7849, 25.9018**.

A 20% lighter version of the original color is **49.9817, 59.3781, 103.4345**, and **15.6617, 15.0145, 55.4987** is the 20% darker color. If you saturate the color by 10%, you get **28.9307, 28.7453, 98.6313**, and if you desaturate by 10%, it is **34.7278, 37.4827, 100.0123**.

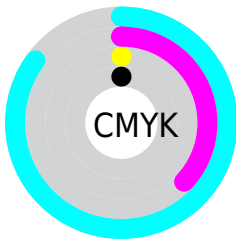
Distribution



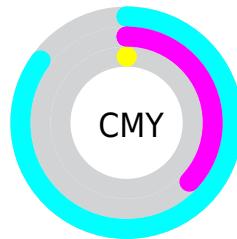
- Red (15%)
- Green (63%)
- Blue (100%)



- Red (15%)
- Yellow (45%)
- Blue (100%)



- Cyan (85%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4201, 32.7737, 99.2777 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 31.4201, 32.7737, 99.2777 by changing the saturation by 10% instead.

■ 31.4201, 32.7737,
99.2777

■ 31.4201, 32.7737,
99.2777

300.2615,
314.6288, 579.1013

■ 21.0723, 21.9531,
75.0839

■ 61.2722, 64.0221,
162.2074

■ 13.2897, 13.8225,
55.1795

■ 81.5073, 85.2186,
201.7805

■ 7.7067, 7.9973,
39.1459

■ 105.7689,
110.6427, 247.3170

■ 3.9581, 4.0932,
26.5645

■ 134.4223,
140.6786, 299.2356

■ 1.6784, 1.7258,
17.0169

■ 167.8329,
175.7108, 357.9548

■ 0.4427, 0.4403,
10.0845

206.3661,

■ 0.0000, 0.0000,

216.1236, 423.8931

5.3487

250.3872,
262.3015, 497.4691

■ 0.0000, 0.0000,
2.3910

■ 0.0000, 0.0000,
0.7815

■ 31.4201, 32.7737,
99.2777

■ 31.4201, 32.7737,
99.2777

■ 28.9307, 28.7453,
98.6313

■ 34.7278, 37.4827,
100.0123

■ 27.9256, 26.9712,
98.3419

■ 38.9679, 42.9366,
100.8415

■ 44.2375, 49.1920,
101.7712

■ 50.6194, 56.2977,
102.8064

■ 58.1873, 64.2976,
103.9516

■ 67.0081, 73.2319,
105.2112

■ 77.1434, 83.1377,
106.5890

■ 88.6505, 94.0501,
108.0888

■ 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.



24.3518, 32.7737, 88.8930



31.4201, 32.7737, 99.2777



39.6541, 32.7737, 87.4853

Triad

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



31.4201, 32.7737, 99.2777



46.0727, 32.7737, 17.6308



19.6594, 32.7737, 18.4776

Complementary

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



31.4201, 32.7737, 99.2777



49.9808, 38.1813, 6.5712

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.



23.9587, 32.7737, 9.8729



31.4201, 32.7737, 99.2777



39.1095, 32.7737, 9.5495

Square

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



31.4201, 32.7737, 99.2777



48.9473, 32.7737, 34.9204



30.8823, 32.7737, 7.4623



18.2936, 32.7737, 36.4607

Rectangle

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



31.4201, 32.7737, 99.2777



44.5176, 32.7737, 70.6628



30.8823, 32.7737, 7.4623



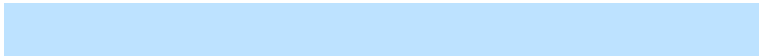
20.7690, 32.7737, 14.7113

Sweetspot

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



31.4213, 32.7747, 99.2778



66.1506, 72.3779, 105.0916



40.7283, 73.5998, 33.9062



13.4825, 14.8128, 22.3985



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.



31.4213, 32.7747, 99.2778



27.9256, 26.9712, 98.3419



20.1001, 10.1324, 95.5041



17.8503, 19.0721, 22.9904



14.7431, 14.3957, 51.4362



1.5443, 1.6193, 5.0444

Inverse Universe

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



48.2792, 25.1859, 35.5752



46.2248, 23.2539, 28.1794



72.9080, 84.0357, 14.2136



18.4371, 18.1581, 20.9188



24.2298, 12.1812, 15.1266



2.4141, 1.2080, 1.7621

Previews

White Background



This preview shows how the XYZ color 31.4201, 32.7737, 99.2777 looks on a white background.

Color Contrast Check

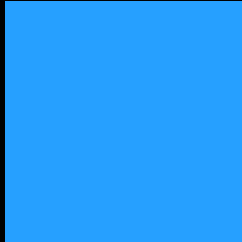
Large Text (above 18pt) WCAG AA × Fail

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 31.4201, 32.7737, 99.2777 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

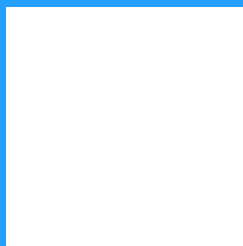
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4201, 32.7737, 99.2777

Background



This preview shows how black text looks on a background with the XYZ color 31.4201, 32.7737, 99.2777.



This preview shows how white text looks on a background with the XYZ color 31.4201, 32.7737,

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

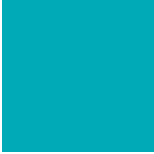
31.4201, 32.7737, 99.2777

Protanopia

35.0373, 32.5689, 91.6285

Deuteranopia

33.7018, 32.6889, 99.1411



Tritanopia

23.1102, 32.5447, 49.8635

Trichromacy



Original Color

31.4201, 32.7737, 99.2777

Protanomaly

32.6790, 32.0255, 94.0817

Deuteranomaly

32.5612, 32.5992, 99.1838

Tritanomaly

25.5084, 32.3342, 65.2183

Monochromacy



Original Color

31.4201, 32.7737, 99.2777

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.0039, 25.5119, 45.8313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4201, 32.7737, 99.2777 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(38, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(38, 160, 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(38, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.4201, 32.7737, 99.2777 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(38, 160, 255) }
```


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

```
.border{ border-color:rgb(38, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4201, 32.7737, 99.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 160, 255) }
```

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

```
.background{ background-color: rgb(38, 160,  
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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