

Converting Colors

XYZ(30.9329, 32.2729, 99.2067)

Have a look what the booklet for
XYZ(30.9329, 32.2729, 99.2067)
contains.

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Color

**XYZ(30.9270, 32.2632,
99.2051)**

Conversions

Conversions Part 1

Format	Color
Hex	1C9FFF
RGB	28, 159, 255
RGB Percent	11%, 62%, 100%
CMY	0.8901, 0.3765, 0.0000
CMYK	0.89, 0.38, 0.00, 0.00
HSL	205°, 100%, 55%
HSV	205°, 89%, 100%
XYZ	30.9270, 32.2632, 99.2051
YIQ	130.7750, -108.8920, 2.0840

Conversions

Conversions Part 2

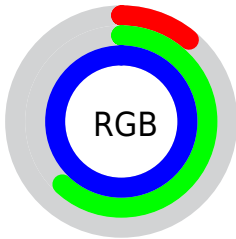
Format	Color
R _Y B	28, 111, 255
Decimal	1875967
CIE Lab	63.56, 0.97, -56.72
CIE LCh	64, 56.726, 270.983
Yxy	32.2632, 0.1904, 0.1987
Android (android.graphics.Color)	4280066047 (0xFF1C9FFF)
YUV	130.7750, 61.2429, -90.1337
Hunter-Lab	56.8007, -2.2111, -63.7923

Details

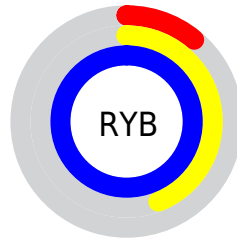
The XYZ color **30.9270, 32.2632, 99.2051** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **48.6615, 35.7671, 5.4396**, and the grayscale version is **21.3136, 22.4236, 24.4193**.

A 20% lighter version of the original color is **49.3155, 58.6601, 103.3311**, and **15.5556, 14.8023, 55.4633** is the 20% darker color. If you saturate the color by 10%, you get **28.7055, 28.4840, 98.5928**, and if you desaturate by 10%, it is **33.8812, 36.6611, 99.8983**.

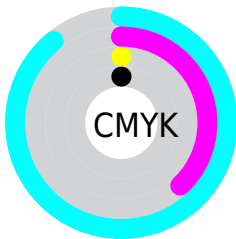
Distribution



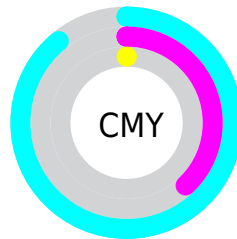
- Red (11%)
- Green (62%)
- Blue (100%)



- Red (11%)
- Yellow (44%)
- Blue (100%)



- Cyan (89%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9270, 32.2632, 99.2051 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 30.9270, 32.2632, 99.2051 by changing the saturation by 10% instead.

■ 30.9270, 32.2632,
99.2051

■ 30.9270, 32.2632,
99.2051

298.0348,
312.3165, 578.8660

■ 20.6948, 21.5626,
75.0237

■ 60.5017, 63.2235,
162.1067

■ 13.0123, 13.5359,
55.1304

■ 80.5750, 84.2520,
201.6640

■ 7.5141, 7.7986,
39.1069

■ 104.6594,
109.4919, 247.1836

■ 3.8348, 3.9663,
26.5344

■ 133.1202,
139.3276, 299.0841

■ 1.6091, 1.6547,
16.9945

■ 166.3227,
174.1435, 357.7841

■ 0.3983, 0.3941,
10.0687

204.6325,

■ 0.0000, 0.0000,

214.3240, 423.7020

5.3383

248.4147,
260.2535, 497.2565

■ 0.0000, 0.0000,
2.3849

■ 0.0000, 0.0000,
0.7782

■ 30.9270, 32.2632,
99.2051

■ 30.9270, 32.2632,
99.2051

■ 28.7055, 28.4840,
98.5928

■ 33.8812, 36.6611,
99.8983

■ 28.5063, 28.1325,
98.5354

■ 37.7142, 41.7578,
100.6801

■ 42.5299, 47.6130,
101.5564

■ 48.4152, 54.2769,
102.5325

■ 55.4464, 61.7942,
103.6129

■ 63.6927, 70.2057,
104.8018

■ 73.2171, 79.5490,
106.1033

■ 84.0782, 89.8590,
107.5209

■ 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.



23.8601, 32.2632, 88.6837



30.9270, 32.2632, 99.2051



39.1849, 32.2632, 87.3048

Triad

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



30.9270, 32.2632, 99.2051



45.6491, 32.2632, 17.1311



19.1900, 32.2632, 17.9460

Complementary

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



30.9270, 32.2632, 99.2051



48.6615, 35.7671, 5.4396

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.



23.4796, 32.2632, 9.4468



30.9270, 32.2632, 99.2051



38.6549, 32.2632, 9.1388

Square

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



30.9270, 32.2632, 99.2051



48.5356, 32.2632, 34.3868



30.4049, 32.2632, 7.0880



17.8277, 32.2632, 35.8821

Rectangle

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



30.9270, 32.2632, 99.2051



44.0732, 32.2632, 70.3290



30.4049, 32.2632, 7.0880



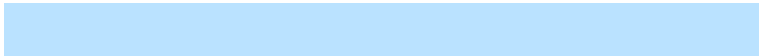
20.2963, 32.2632, 14.2154

Sweetspot

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



30.9282, 32.2641, 99.2053



65.4997, 72.0049, 105.0539



39.7901, 73.1875, 30.6381



13.3682, 14.7616, 22.3946



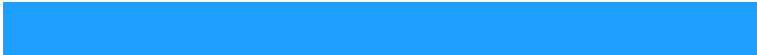
0.0000, 0.0000, 0.0000



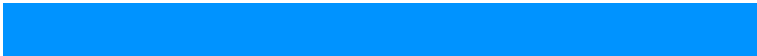
20.3446, 21.4041, 23.3091

Same Dimension

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



30.9282, 32.2641, 99.2053



28.5063, 28.1325, 98.5354



19.5442, 9.4961, 95.4106



17.8735, 19.1187, 22.9982



15.0462, 15.0020, 51.5372



1.5732, 1.6772, 5.0541

Inverse Universe

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



47.9142, 24.5953, 35.0236



46.5178, 23.3711, 29.7227



71.4702, 81.3845, 13.0425



18.4488, 18.1628, 20.9806



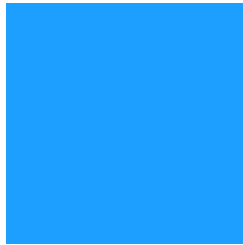
24.3828, 12.2424, 15.9323



2.4287, 1.2139, 1.8390

Previews

White Background



This preview shows how the XYZ color 30.9270, 32.2632, 99.2051 looks on a white background.

Color Contrast Check

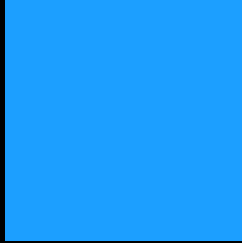
Large Text (above 18pt) WCAG AA × Fail

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 30.9270, 32.2632, 99.2051 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

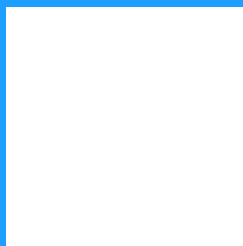
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9270, 32.2632, 99.2051

Background



This preview shows how black text looks on a background with the XYZ color 30.9270, 32.2632, 99.2051.



This preview shows how white text looks on a background with the XYZ color 30.9270, 32.2632,

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

30.9270, 32.2632, 99.2051

Protanopia

34.6111, 32.1114, 91.5627

Deuteranopia

33.1729, 32.1702, 99.0688



Tritanopia

22.8182, 32.1268, 49.2544

Trichromacy



Original Color

30.9270, 32.2632, 99.2051

Protanomaly

32.0574, 31.4610, 94.0055

Deuteranomaly

31.9884, 32.0537, 99.1088

Tritanomaly

25.2700, 31.9404, 65.1548

Monochromacy



Original Color

30.9270, 32.2632, 99.2051

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.9774, 24.5640, 44.6573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9270, 32.2632, 99.2051 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(28, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 159, 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(28, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.9270, 32.2632, 99.2051 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(28, 159, 255) }
```


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

```
.border{ border-color:rgb(28, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9270, 32.2632, 99.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 159, 255) }
```

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

```
.background{ background-color: rgb(28, 159,  
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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