

Converting Colors

XYZ(23.3752, 28.2305, 93.7625)

Have a look what the booklet for
XYZ(23.3752, 28.2305, 93.7625)
contains.

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Color

**XYZ(29.3257, 31.2933,
94.1171)**

Conversions

Conversions Part 1

Format	Color
Hex	009EF9
RGB	0, 158, 249
RGB Percent	0%, 62%, 98%
CMY	0.9997, 0.3804, 0.0235
CMYK	1.00, 0.37, 0.00, 0.02
HSL	202°, 100%, 49%
HSV	202°, 100%, 98%
XYZ	29.3257, 31.2933, 94.1171
YIQ	121.1320, -123.3790, -5.1950

Conversions

Conversions Part 2

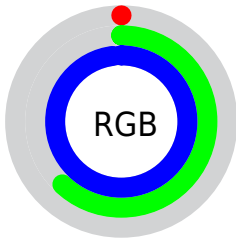
Format	Color
RYB	0, 97, 249
Decimal	40697
CIELab	62.75, -1.60, -54.73
CIELCh	63, 54.756, 268.329
Yxy	31.2933, 0.1895, 0.2022
Android (android.graphics.Color)	4278230777 (0xFF009EF9)
YUV	121.1320, 63.0389, -106.2328
Hunter-Lab	55.9404, -4.3205, -60.5943

Details

The XYZ color **29.3257, 31.2933, 94.1171** 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 **42.8143, 27.6335, 3.0791**, and the grayscale version is **18.0547, 18.9950, 20.6855**.

A 20% lighter version of the original color is **48.1490, 57.6865, 103.2046**, and **14.7721, 14.3212, 51.8549** is the 20% darker color. If you saturate the color by 10%, you get **29.3220, 31.2856, 94.1165**, and if you desaturate by 10%, it is **31.3368, 34.7214, 94.6735**.

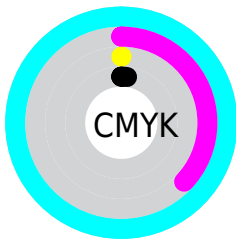
Distribution



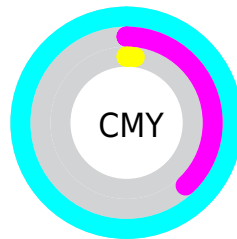
- Red (0%)
- Green (62%)
- Blue (98%)



- Red (0%)
- Yellow (38%)
- Blue (98%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3257, 31.2933, 94.1171 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 29.3257, 31.2933, 94.1171 by changing the saturation by 10% instead.

■ 29.3257, 31.2933,
94.1171

■ 29.3257, 31.2933,
94.1171

290.7152,
307.8873, 562.2466

■ 19.4729, 20.8223,
70.8075

■ 57.9881, 61.7016,
155.0293

■ 12.1185, 12.9942,
51.7043

■ 77.5285, 82.4076,
193.4691

■ 6.8972, 7.4245,
36.3888

■ 101.0287,
107.2941, 237.7893

■ 3.4436, 3.7290,
24.4426

■ 128.8541,
136.7454, 288.4086

■ 1.3925, 1.5231,
15.4470

■ 161.3701,
171.1460, 345.7454

■ 0.2509, 0.3049,
8.9836

198.9420,

■ 0.0000, 0.0000,

210.8803, 410.2183

4.6338

241.9353,
256.3326, 482.2458

■ 0.0000, 0.0000,
1.9791

■ 0.0000, 0.0000,
0.5424

■ 29.3257, 31.2933,
94.1171

■ 29.3257, 31.2933,
94.1171

■ 29.3220, 31.2856,
94.1165

■ 31.3368, 34.7214,
94.6735

■ 33.9736, 38.6459,
95.2920

■ 37.3960, 43.1533,
95.9817

■ 41.7011, 48.2967,
96.7475

■ 46.9707, 54.1218,
97.5942

■ 53.2765, 60.6686,
98.5255

■ 60.6829, 67.9734,
99.5451

■ 69.2488, 76.0696,
100.6563

■ 79.0287, 84.9883,
101.8624

Harmonies

Analogous

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



22.8083, 31.2933, 82.5737



29.3257, 31.2933, 94.1171



37.1097, 31.2933, 84.7609

Triad

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



29.3257, 31.2933, 94.1171



44.2968, 31.2933, 18.0165



19.0983, 31.2933, 16.6894

Complementary

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



29.3257, 31.2933, 94.1171



42.8143, 27.6335, 3.0791

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.



23.4227, 31.2933, 9.1445



29.3257, 31.2933, 94.1171



37.9584, 31.2933, 9.6537

Square

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



29.3257, 31.2933, 94.1171



46.5749, 31.2933, 35.2890



30.1649, 31.2933, 7.2466



17.5513, 31.2933, 32.8854

Rectangle

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



29.3257, 31.2933, 94.1171



41.8423, 31.2933, 69.4832



30.1649, 31.2933, 7.2466



20.2353, 31.2933, 13.3584

Sweetspot

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



29.3270, 31.2943, 94.1179



64.0037, 71.7016, 105.0742



35.6050, 68.4436, 20.3927



12.9625, 14.6294, 22.3905



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.



29.3270, 31.2943, 94.1179



30.9322, 32.9844, 99.3441



17.7741, 8.1886, 90.2670



17.2012, 18.4792, 22.0455



15.8356, 17.0267, 50.4254



1.5676, 1.7788, 4.7039

Inverse Universe

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



45.2396, 22.6100, 34.3282



47.7423, 23.8609, 36.1709



62.5263, 67.0575, 9.6498



17.7081, 17.4106, 20.3185



24.2851, 12.1298, 18.7415



2.3002, 1.1438, 2.0041

Previews

White Background



This preview shows how the XYZ color 29.3257, 31.2933, 94.1171 looks on a white background.

Color Contrast Check

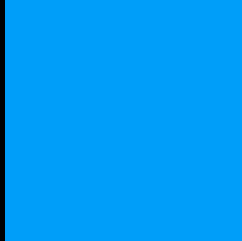
Large Text (above 18pt) WCAG AA × Fail

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 29.3257, 31.2933, 94.1171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

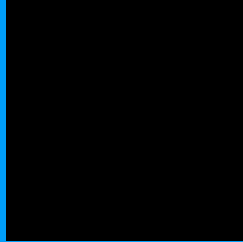
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

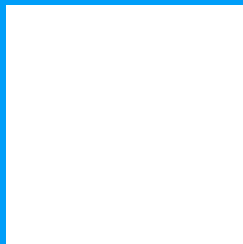
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3257, 31.2933, 94.1171

Background



This preview shows how black text looks on a background with the XYZ color 29.3257, 31.2933, 94.1171.

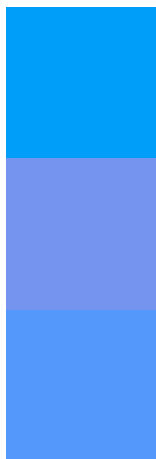


This preview shows how white text looks on a background with the XYZ color 29.3257, 31.2933,

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

29.3257, 31.2933, 94.1171

Protanopia

33.5205, 31.1841, 86.6905

Deuteranopia

32.3871, 31.3528, 95.6115



Tritanopia

22.2409, 31.3006, 48.0494

Trichromacy



Original Color

29.3257, 31.2933, 94.1171

Protanomaly

30.2299, 30.3834, 89.0653

Deuteranomaly

30.3322, 30.7976, 94.7883

Tritanomaly

24.2949, 30.9587, 62.4528

Monochromacy



Original Color

29.3257, 31.2933, 94.1171

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6535, 21.4551, 40.2039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3257, 31.2933, 94.1171 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(0, 158, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 249)  
}
```

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(0, 158, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 249) }
```

Border

The CSS property to change the border of an element to XYZ 29.3257, 31.2933, 94.1171 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(0, 158, 249) }
```


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

```
.border{ border-color:rgb(0, 158, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3257, 31.2933, 94.1171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 249) }
```

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

```
.background{ background-color: rgb(0, 158,  
249) }
```

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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