

Converting Colors

XYZ(29.7996, 31.7753, 95.7105)

Have a look what the booklet for
XYZ(29.7996, 31.7753, 95.7105)
contains.

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Color

**XYZ(29.8107, 31.7613,
95.8261)**

Conversions

Conversions Part 1

Format	Color
Hex	009FFB
RGB	0, 159, 251
RGB Percent	0%, 62%, 98%
CMY	0.9997, 0.3765, 0.0157
CMYK	1.00, 0.37, 0.00, 0.02
HSL	202°, 100%, 49%
HSV	202°, 100%, 98%
XYZ	29.8107, 31.7613, 95.8261
YIQ	121.9470, -124.2960, -5.0960

Conversions

Conversions Part 2

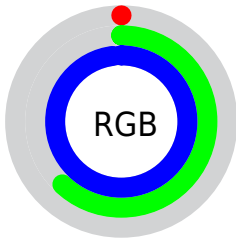
Format	Color
RYB	0, 97, 251
Decimal	40955
CIELab	63.15, -1.43, -55.21
CIELCh	63, 55.224, 268.518
Yxy	31.7613, 0.1894, 0.2018
Android (android.graphics.Color)	4278231035 (0xFF009FFB)
YUV	121.9470, 63.6231, -106.9475
Hunter-Lab	56.3572, -4.2056, -61.3629

Details

The XYZ color **29.8107, 31.7613, 95.8261** 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 **43.6177, 28.1763, 3.1417**, and the grayscale version is **18.3170, 19.2709, 20.9860**.

A 20% lighter version of the original color is **48.3998, 58.1880, 103.2882**, and **15.1002, 14.6202, 53.0650** is the 20% darker color. If you saturate the color by 10%, you get **29.8065, 31.7527, 95.8254**, and if you desaturate by 10%, it is **31.8582, 35.2546, 96.3932**.

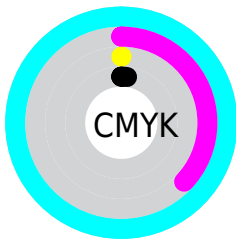
Distribution



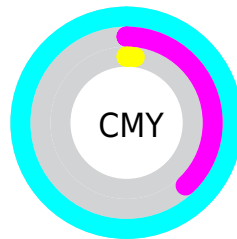
- Red (0%)
- Green (62%)
- Blue (98%)



- 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 29.8107, 31.7613, 95.8261 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 29.8107, 31.7613, 95.8261 by changing the saturation by 10% instead.

■ 29.8107, 31.7613,
95.8261

■ 29.8107, 31.7613,
95.8261

292.9468,
310.0305, 567.8580

■ 19.8423, 21.1792,
72.2220

■ 58.7514, 62.4367,
157.4108

■ 12.3881, 13.2551,
52.8521

■ 78.4544, 83.2988,
196.2285

■ 7.0826, 7.6044,
37.2978

■ 102.1329,
108.3564, 240.9545

■ 3.5606, 3.8429,
25.1406

■ 130.1524,
137.9939, 292.0074

■ 1.4567, 1.5861,
15.9618

■ 162.8782,
172.5957, 349.8056

■ 0.2961, 0.3482,
9.3431

200.6756,

■ 0.0000, 0.0000,

212.5461, 414.7678

4.8658

243.9100,
258.2295, 487.3124

■ 0.0000, 0.0000,
2.1114

■ 0.0000, 0.0000,
0.6225

■ 29.8107, 31.7613,
95.8261

■ 29.8107, 31.7613,
95.8261

■ 29.8065, 31.7527,
95.8254

■ 31.8582, 35.2546,
96.3932

■ 34.5441, 39.2553,
97.0238

■ 38.0311, 43.8510,
97.7271

■ 42.4181, 49.0964,
98.5083

■ 47.7887, 55.0378,
99.3721

■ 54.2160, 61.7161,
100.3224

■ 61.7658, 69.1685,
101.3629

■ 70.4980, 77.4291,
102.4971

■ 80.4682, 86.5294,
103.7282

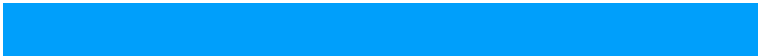
Harmonies

Analogous

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



23.1610, 31.7613, 84.1691



29.8107, 31.7613, 95.8261



37.7427, 31.7613, 86.1486

Triad

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



29.8107, 31.7613, 95.8261



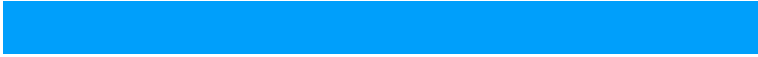
44.9890, 31.7613, 18.1603



19.3321, 31.7613, 16.9637

Complementary

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



29.8107, 31.7613, 95.8261



43.6177, 28.1763, 3.1417

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.



23.7156, 31.7613, 9.2541



29.8107, 31.7613, 95.8261



38.5097, 31.7613, 9.7123

Square

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



29.8107, 31.7613, 95.8261



47.3435, 31.7613, 35.6796



30.5688, 31.7613, 7.3007



17.7762, 31.7613, 33.5084

Rectangle

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



29.8107, 31.7613, 95.8261



42.5573, 31.7613, 70.5152



30.5688, 31.7613, 7.3007



20.4831, 31.7613, 13.5605

Sweetspot

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



29.8120, 31.7623, 95.8269



63.9811, 71.6563, 105.0666



36.2555, 69.6982, 20.7524



12.9571, 14.6186, 22.3887



0.0000, 0.0000, 0.0000



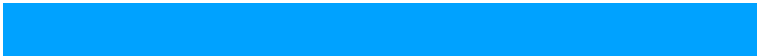
20.3446, 21.4041, 23.3091

Same Dimension

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



29.8120, 31.7623, 95.8269



30.8838, 32.8876, 99.3279



18.0975, 8.3334, 91.9221



17.1995, 18.4759, 22.0450



15.8111, 16.9779, 50.4173



1.5654, 1.7745, 4.7032

Inverse Universe

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



46.0429, 23.0142, 34.8169



47.7179, 23.8512, 36.0422



63.6696, 68.2801, 9.8257



17.7073, 17.4103, 20.3141



24.2728, 12.1248, 18.6766



2.2991, 1.1434, 1.9983

Previews

White Background



This preview shows how the XYZ color 29.8107, 31.7613, 95.8261 looks on a white background.

Color Contrast Check

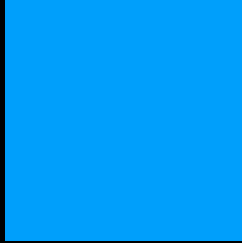
Large Text (above 18pt) WCAG AA × Fail

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 29.8107, 31.7613, 95.8261 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

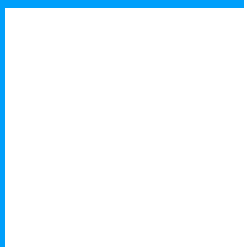
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8107, 31.7613, 95.8261

Background



This preview shows how black text looks on a background with the XYZ color 29.8107, 31.7613, 95.8261.

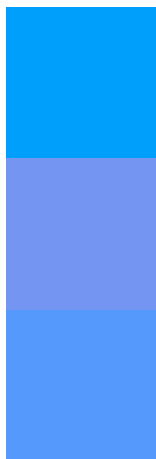


This preview shows how white text looks on a background with the XYZ color 29.8107, 31.7613,

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

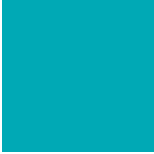
29.8107, 31.7613, 95.8261

Protanopia

33.9769, 31.6187, 88.3166

Deuteranopia

32.8672, 31.8056, 97.3353



Tritanopia

22.5285, 31.7121, 48.6497

Trichromacy



Original Color

29.8107, 31.7613, 95.8261

Protanomaly

30.6967, 30.8309, 90.7193

Deuteranomaly

30.8134, 31.2552, 96.5043

Tritanomaly

24.5957, 31.3665, 63.1505

Monochromacy



Original Color

29.8107, 31.7613, 95.8261

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.9673, 21.8122, 40.7466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8107, 31.7613, 95.8261 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, 159, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 251)  
}
```

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, 159, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 251) }
```

Border

The CSS property to change the border of an element to XYZ 29.8107, 31.7613, 95.8261 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, 159, 251) }
```


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

```
.border{ border-color:rgb(0, 159, 251) }
```

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

Here you see how a box with a 4 pixel rgb(0, 159, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8107, 31.7613, 95.8261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 251) }
```

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

```
.background{ background-color: rgb(0, 159,  
251) }
```

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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