

Converting Colors

XYZ(12.5343, 22.3918, 95.0703)

Have a look what the booklet for
XYZ(12.5343, 22.3918, 95.0703)
contains.

XYZ(29.4696, 31.0790, 95.7124)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.4696, 31.0790,
95.7124)**

Conversions

Conversions Part 1

Format	Color
Hex	009DFB
RGB	0, 157, 251
RGB Percent	0%, 62%, 98%
CMY	0.9997, 0.3843, 0.0157
CMYK	1.00, 0.37, 0.00, 0.02
HSL	202°, 100%, 49%
HSV	202°, 100%, 98%
XYZ	29.4696, 31.0790, 95.7124
YIQ	120.7730, -123.7460, -4.0500

Conversions

Conversions Part 2

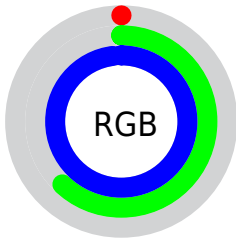
Format	Color
RYB	0, 97, 251
Decimal	40443
CIELab	62.57, -0.27, -56.11
CIELCh	63, 56.115, 269.726
Yxy	31.0790, 0.1886, 0.1989
Android (android.graphics.Color)	4278230523 (0xFF009DFB)
YUV	120.7730, 64.2019, -105.9179
Hunter-Lab	55.7485, -3.2019, -62.7686

Details

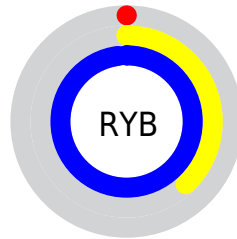
The XYZ color **29.4696, 31.0790, 95.7124** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.7939, 28.5286, 3.2006**, and the grayscale version is **17.9369, 18.8710, 20.5505**.

A 20% lighter version of the original color is **47.8998, 57.1880, 103.1215**, and **14.8916, 14.2031, 52.9955** is the 20% darker color. If you saturate the color by 10%, you get **29.4650, 31.0697, 95.7115**, and if you desaturate by 10%, it is **31.5278, 34.5936, 96.2830**.

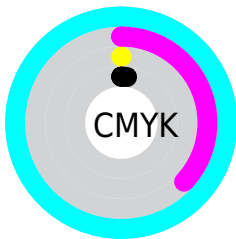
Distribution



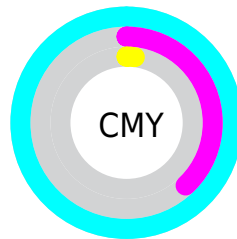
- Red (0%)
- Green (62%)
- Blue (98%)



- 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 29.4696, 31.0790, 95.7124 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 29.4696, 31.0790, 95.7124 by changing the saturation by 10% instead.

■ 29.4696, 31.0790,
95.7124

■ 29.4696, 31.0790,
95.7124

291.3786,
306.9021, 567.4856

■ 19.5824, 20.6590,
72.1279

■ 58.2148, 61.3644,
157.2525

■ 12.1984, 12.8750,
52.7757

■ 77.8035, 81.9987,
196.0451

■ 6.9521, 7.3425,
37.2372

■ 101.3567,
106.8064, 240.7442

■ 3.4782, 3.6772,
25.0940

■ 129.2399,
136.1721, 291.7684

■ 1.4114, 1.4947,
15.9274

■ 161.8183,
170.4801, 349.5360

■ 0.2643, 0.2850,
9.3190

199.4573,

■ 0.0000, 0.0000,

210.1149, 414.4658

4.8502

242.5223,
255.4607, 486.9761

■ 0.0000, 0.0000,
2.1024

■ 0.0000, 0.0000,
0.6172

■ 29.4696, 31.0790,
95.7124

■ 29.4696, 31.0790,
95.7124

■ 29.4650, 31.0697,
95.7115

■ 31.5278, 34.5936,
96.2830

■ 34.2293, 38.6253,
96.9188

■ 37.7369, 43.2620,
97.6289

■ 42.1497, 48.5586,
98.4187

■ 47.5513, 54.5618,
99.2927

■ 54.0151, 61.3128,
100.2551

■ 61.6069, 68.8492,
101.3097

■ 70.3870, 77.2051,
102.4598

■ 80.4110, 86.4127,
103.7087

Harmonies

Analogous

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



22.7386, 31.0790, 84.6963



29.4696, 31.0790, 95.7124



37.4348, 31.0790, 85.0670

Triad

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



29.4696, 31.0790, 95.7124



44.2129, 31.0790, 16.9780



18.5870, 31.0790, 16.7593

Complementary

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



29.4696, 31.0790, 95.7124



43.7939, 28.5286, 3.2006

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.



22.8408, 31.0790, 8.8832



29.4696, 31.0790, 95.7124



37.5772, 31.0790, 8.9657

Square

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



29.4696, 31.0790, 95.7124



46.7894, 31.0790, 34.0409



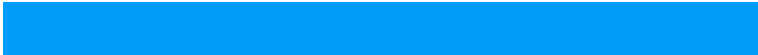
29.6098, 31.0790, 6.8023



17.1553, 31.0790, 33.6393

Rectangle

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



29.4696, 31.0790, 95.7124



42.2180, 31.0790, 68.9513



29.6098, 31.0790, 6.8023



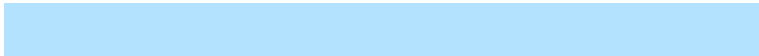
19.6936, 31.0790, 13.2856

Sweetspot

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



29.4709, 31.0800, 95.7132



63.8145, 71.3231, 105.0111



36.4338, 69.7695, 21.6908



12.9173, 14.5392, 22.3755



0.0000, 0.0000, 0.0000



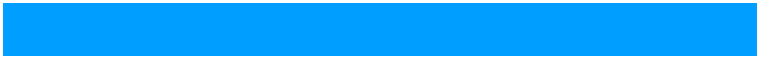
20.3446, 21.4041, 23.3091

Same Dimension

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



29.4709, 31.0800, 95.7132



30.5297, 32.1794, 99.2099



17.9725, 8.0832, 91.8804



17.1875, 18.4518, 22.0410



15.6324, 16.6204, 50.3577



1.5496, 1.7429, 4.6979

Inverse Universe

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



45.8707, 22.9454, 33.9101



47.5392, 23.7797, 35.1010



64.7378, 70.4164, 10.1819



17.7012, 17.4078, 20.2822



24.1825, 12.0887, 18.2015



2.2911, 1.1402, 1.9563

Previews

White Background



This preview shows how the XYZ color 29.4696, 31.0790, 95.7124 looks on a white background.

Color Contrast Check

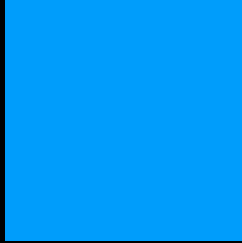
Large Text (above 18pt) WCAG AA × Fail

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 29.4696, 31.0790, 95.7124 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

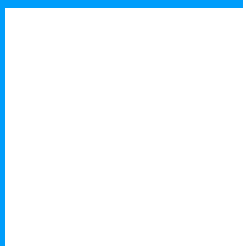
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4696, 31.0790, 95.7124

Background



This preview shows how black text looks on a background with the XYZ color 29.4696, 31.0790, 95.7124.



This preview shows how white text looks on a background with the XYZ color 29.4696, 31.0790,

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

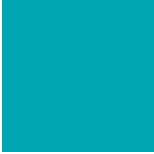
29.4696, 31.0790, 95.7124

Protanopia

33.2708, 30.7890, 88.1937

Deuteranopia

32.1072, 31.1902, 96.4235



Tritanopia

21.9554, 30.8921, 47.4534

Trichromacy



Original Color

29.4696, 31.0790, 95.7124

Protanomaly

30.2205, 30.1035, 90.6040

Deuteranomaly

30.4915, 30.8433, 96.4417

Tritanomaly

24.1166, 30.6022, 62.3933

Monochromacy



Original Color

29.4696, 31.0790, 95.7124

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 29.4696, 31.0790, 95.7124 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, 157, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 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, 157, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 251) }
```

Border

The CSS property to change the border of an element to XYZ 29.4696, 31.0790, 95.7124 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, 157, 251) }
```


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

```
.border{ border-color:rgb(0, 157, 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, 157, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4696, 31.0790, 95.7124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 251) }
```

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

```
.background{ background-color: rgb(0, 157,  
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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