

Converting Colors

XYZ(16.8327, 24.8318, 97.2645)

Have a look what the booklet for
XYZ(16.8327, 24.8318, 97.2645)
contains.

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Color

**XYZ(30.1163, 31.6095,
98.2799)**

Conversions

Conversions Part 1

Format	Color
Hex	009EFE
RGB	0, 158, 254
RGB Percent	0%, 62%, 100%
CMY	0.9997, 0.3804, 0.0039
CMYK	1.00, 0.38, 0.00, 0.00
HSL	203°, 100%, 50%
HSV	203°, 100%, 100%
XYZ	30.1163, 31.6095, 98.2799
YIQ	121.7020, -124.9840, -3.6400

Conversions

Conversions Part 2

Format	Color
RYB	0, 97, 254
Decimal	40702
CIELab	63.02, 0.27, -57.05
CIELCh	63, 57.046, 270.275
Yxy	31.6095, 0.1882, 0.1976
Android (android.graphics.Color)	4278230782 (0xFF009EFE)
YUV	121.7020, 65.2229, -106.7327
Hunter-Lab	56.2223, -2.7730, -64.2867

Details

The XYZ color **30.1163, 31.6095, 98.2799** 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 **45.0639, 29.4513, 3.3118**, and the grayscale version is **18.2334, 19.1829, 20.8902**.

A 20% lighter version of the original color is **48.2756, 57.7517, 103.2105**, and **15.3357, 14.5466, 54.8228** is the 20% darker color. If you saturate the color by 10%, you get **30.1115, 31.5998, 98.2790**, and if you desaturate by 10%, it is **32.2320, 35.2280, 98.8675**.

Distribution



- Red (0%)
- Green (62%)
- Blue (100%)



- Red (0%)
- Yellow (38%)
- Blue (100%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1163, 31.6095, 98.2799 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 30.1163, 31.6095, 98.2799 by changing the saturation by 10% instead.

■ 30.1163, 31.6095,
98.2799

■ 30.1163, 31.6095,
98.2799

294.3463,
309.3365, 575.8632

■ 20.0754, 21.0634,
74.2559

■ 59.2314, 62.1984,
160.8226

■ 12.5584, 13.1704,
54.5055

■ 79.0363, 83.0100,
200.1783

■ 7.2001, 7.5460,
38.6100

■ 102.8266,
108.0122, 245.4818

■ 3.6350, 3.8058,
26.1510

■ 130.9677,
137.5895, 297.1515

■ 1.4978, 1.5655,
16.7098

■ 163.8248,
172.1261, 355.6059

■ 0.3243, 0.3342,
9.8681

201.7634,

■ 0.0000, 0.0000,

212.0066, 421.2636

5.2071

245.1487,
257.6153, 494.5432

■ 0.0000, 0.0000,
2.3084

■ 0.0000, 0.0000,
0.7359

■ 30.1163, 31.6095,
98.2799

■ 30.1163, 31.6095,
98.2799

■ 30.1115, 31.5998,
98.2790

■ 32.2320, 35.2280,
98.8675

■ 35.0118, 39.3827,
99.5230

■ 38.6223, 44.1639,
100.2555

■ 43.1660, 49.6284,
101.0708

■ 48.7289, 55.8243,
101.9735

■ 55.3867, 62.7943,
102.9680

■ 63.2073, 70.5771,
104.0580

■ 72.2526, 79.2081,
105.2472

■ 82.5801, 88.7204,
106.5390

Harmonies

Analogous

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



23.1631, 31.6095, 87.2691



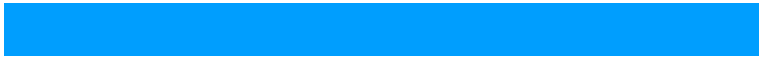
30.1163, 31.6095, 98.2799



38.3152, 31.6095, 86.8843

Triad

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



30.1163, 31.6095, 98.2799



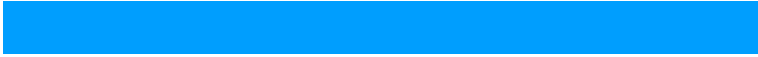
45.0578, 31.6095, 16.8985



18.7486, 31.6095, 17.1229

Complementary

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



30.1163, 31.6095, 98.2799



45.0639, 29.4513, 3.3118

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.



23.0578, 31.6095, 8.9541



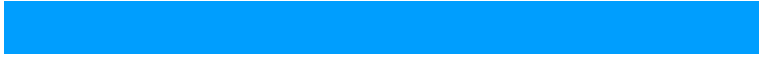
30.1163, 31.6095, 98.2799



38.1680, 31.6095, 8.8700

Square

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



30.1163, 31.6095, 98.2799



47.8092, 31.6095, 34.2106



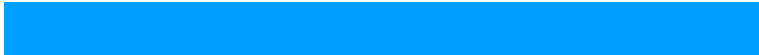
29.9716, 31.6095, 6.7599



17.3352, 31.6095, 34.6250

Rectangle

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



30.1163, 31.6095, 98.2799



43.2144, 31.6095, 70.1024



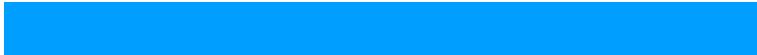
29.9716, 31.6095, 6.7599



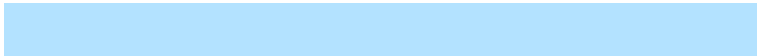
19.8647, 31.6095, 13.5210

Sweetspot

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



30.1176, 31.6105, 98.2807



63.7426, 71.1793, 104.9871



37.4270, 71.6783, 22.2613



12.9002, 14.5049, 22.3698



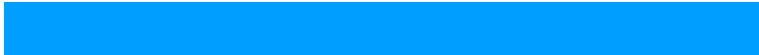
0.0000, 0.0000, 0.0000



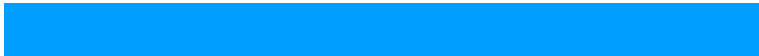
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1176, 31.6105, 98.2807



30.3782, 31.8764, 99.1594



18.4607, 8.2967, 94.3951



17.9441, 19.2598, 23.0217



16.0217, 16.9531, 51.8624



1.6653, 1.8613, 5.0848

Inverse Universe

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



47.0459, 23.5414, 34.4127



47.4627, 23.7491, 34.6984



66.5050, 72.3335, 10.4589



18.4844, 18.1771, 21.1682



24.8752, 12.4394, 18.5253



2.4752, 1.2324, 2.0837

Previews

White Background



This preview shows how the XYZ color 30.1163, 31.6095, 98.2799 looks on a white background.

Color Contrast Check

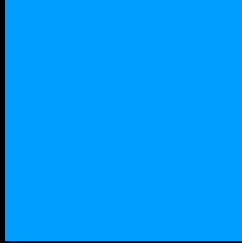
Large Text (above 18pt) WCAG AA × Fail

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 30.1163, 31.6095, 98.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

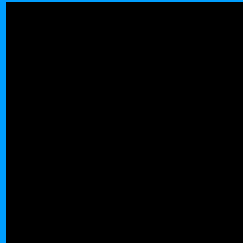
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

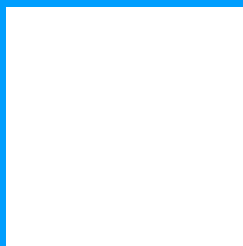
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1163, 31.6095, 98.2799

Background



This preview shows how black text looks on a background with the XYZ color 30.1163, 31.6095, 98.2799.



This preview shows how white text looks on a background with the XYZ color 30.1163, 31.6095,

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

30.1163, 31.6095, 98.2799

Protanopia

34.0108, 31.3498, 90.6448

Deuteranopia

32.6657, 31.6647, 98.9980



Tritanopia

22.2409, 31.3006, 48.0494

Trichromacy



Original Color

30.1163, 31.6095, 98.2799

Protanomaly

30.9192, 30.6503, 93.0934

Deuteranomaly

31.0867, 31.3408, 99.0187

Tritanomaly

24.5379, 31.0559, 63.7326

Monochromacy



Original Color

30.1163, 31.6095, 98.2799

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0616, 21.8499, 41.2430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1163, 31.6095, 98.2799 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 254) }
```

Border

The CSS property to change the border of an element to XYZ 30.1163, 31.6095, 98.2799 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, 254) }
```


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

```
.border{ border-color:rgb(0, 158, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1163, 31.6095, 98.2799 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, 254) }
```

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

```
.background{ background-color: rgb(0, 158,  
254) }
```

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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