

Converting Colors

XYZ(31.4494, 30.7322,
109.4014)

Have a look what the booklet for
XYZ(31.4494, 30.7322, 109.4014)
contains.

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Color

**XYZ(29.4913, 30.0283,
98.8494)**

Conversions

Conversions Part 1

Format	Color
Hex	0499FF
RGB	4, 153, 255
RGB Percent	2%, 60%, 100%
CMY	0.9840, 0.4000, 0.0000
CMYK	0.98, 0.40, 0.00, 0.00
HSL	204°, 100%, 51%
HSV	204°, 98%, 100%
XYZ	29.4913, 30.0283, 98.8494
YIQ	120.0770, -121.5460, 0.1340

Conversions

Conversions Part 2

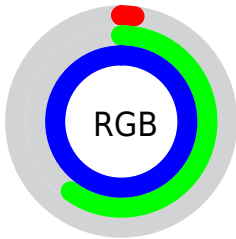
Format	Color
R_{YB}	4, 97, 255
Decimal	301567
CIE _{Lab}	61.68, 3.68, -59.73
CIE _{LCh}	62, 59.842, 273.521
Yxy	30.0283, 0.1862, 0.1896
Android (android.graphics.Color)	4278491647 (0xFF0499FF)
YUV	120.0770, 66.5170, -101.7995
Hunter-Lab	54.7981, 0.1687, -68.5936

Details

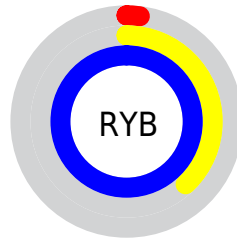
The XYZ color **29.4913, 30.0283, 98.8494** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **46.4240, 31.5923, 3.7681**, and the grayscale version is **17.7067, 18.6288, 20.2868**.

A 20% lighter version of the original color is **47.1729, 55.3564, 102.8063**, and **15.0433, 13.7777, 55.2926** is the 20% darker color. If you saturate the color by 10%, you get **29.1722, 29.4643, 98.7574**, and if you desaturate by 10%, it is **31.7355, 33.8145, 99.4619**.

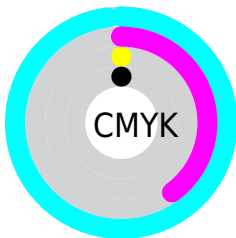
Distribution



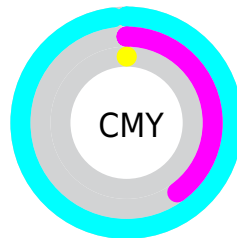
- Red (2%)
- Green (60%)
- Blue (100%)



- Red (2%)
- Yellow (38%)
- Blue (100%)



- Cyan (98%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (98%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4913, 30.0283, 98.8494 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 29.4913, 30.0283, 98.8494 by changing the saturation by 10% instead.

■ 29.4913, 30.0283,
98.8494

■ 29.4913, 30.0283,
98.8494

291.4786,
302.0363, 577.7125

■ 19.5989, 19.8601,
74.7284

■ 58.2489, 59.7069,
161.6132

■ 12.2104, 12.2934,
54.8901

■ 77.8449, 79.9861,
201.0930

■ 6.9604, 6.9438,
38.9157

■ 101.4062,
104.4044, 246.5297

■ 3.4834, 3.4270,
26.3868

■ 129.2980,
133.3462, 298.3415

■ 1.4143, 1.3585,
16.8849

■ 161.8858,
167.1959, 356.9472

■ 0.2664, 0.1858,
9.9914

199.5350,

■ 0.0000, 0.0000,

206.3379, 422.7653

5.2877

242.6108,
251.1566, 496.2142

■ 0.0000, 0.0000,
2.3554

■ 0.0000, 0.0000,
0.7620

■ 29.4913, 30.0283,
98.8494

■ 29.4913, 30.0283,
98.8494

■ 29.1722, 29.4643,
98.7574

■ 31.7355, 33.8145,
99.4619

■ 34.7140, 38.2031,
100.1521

■ 38.5679, 43.2722,
100.9274

■ 43.3979, 49.0789,
101.7936

■ 49.2898, 55.6722,
102.7557

■ 56.3193, 63.0956,
103.8181

■ 64.5544, 71.3889,
104.9848

■ 74.0576, 80.5888,
106.2597

■ 84.8867, 90.7293,
107.6462

Harmonies

Analogous

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



22.2471, 30.0283, 89.7072



29.4913, 30.0283, 98.8494



37.8538, 30.0283, 84.5341

Triad

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



29.4913, 30.0283, 98.8494



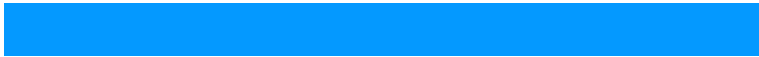
43.2943, 30.0283, 13.9733



16.9176, 30.0283, 16.7892

Complementary

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



29.4913, 30.0283, 98.8494



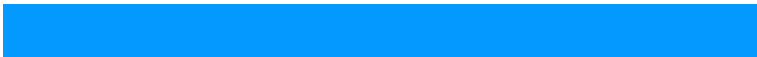
46.4240, 31.5923, 3.7681

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.



20.8965, 30.0283, 8.0784



29.4913, 30.0283, 98.8494



35.9223, 30.0283, 7.0641

Square

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



29.4913, 30.0283, 98.8494



46.7021, 30.0283, 30.0770



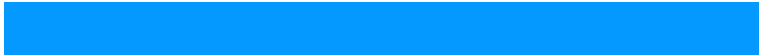
27.6113, 30.0283, 5.5600



15.8294, 30.0283, 35.4622

Rectangle

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



29.4913, 30.0283, 98.8494



42.6991, 30.0283, 66.2866



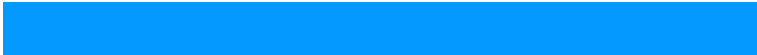
27.6113, 30.0283, 5.5600



17.9197, 30.0283, 12.9482

Sweetspot

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



29.4924, 30.0291, 98.8495



63.1547, 70.0036, 104.7912



38.3324, 72.5548, 25.1997



12.7602, 14.2249, 22.3231



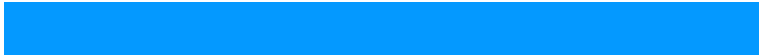
0.0000, 0.0000, 0.0000



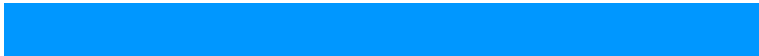
20.3446, 21.4041, 23.3091

Same Dimension

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



29.4924, 30.0291, 98.8495



29.1722, 29.4643, 98.7574



18.5445, 8.1333, 95.2002



17.8994, 19.1704, 23.0068



15.3935, 15.6966, 51.6530



1.6062, 1.7431, 5.0651

Inverse Universe

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



47.0341, 23.6484, 32.2231



46.8540, 23.5056, 31.4927



69.5334, 77.8111, 11.4713



18.4619, 18.1681, 21.0493



24.5581, 12.3125, 16.8555



2.4453, 1.2205, 1.9266

Previews

White Background



This preview shows how the XYZ color 29.4913, 30.0283, 98.8494 looks on a white background.

Color Contrast Check

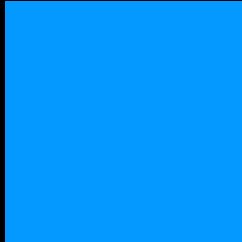
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4913, 30.0283, 98.8494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

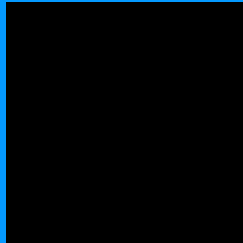
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

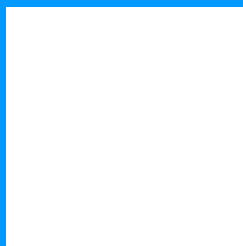
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4913, 30.0283, 98.8494

Background



This preview shows how black text looks on a background with the XYZ color 29.4913, 30.0283, 98.8494.

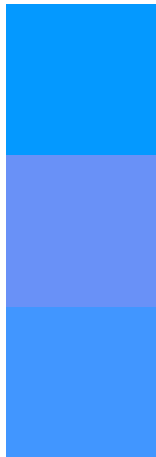


This preview shows how white text looks on a background with the XYZ color 29.4913, 30.0283,

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

29.4913, 30.0283, 98.8494

Protanopia

32.7396, 29.9695, 92.0548

Deuteranopia

31.1363, 30.1565, 98.7875



Tritanopia

21.2916, 30.0449, 45.7513

Trichromacy



Original Color

29.4913, 30.0283, 98.8494

Protanomaly

30.2291, 29.3109, 94.5068

Deuteranomaly

30.1129, 29.8668, 98.7855

Tritanomaly

23.7768, 29.9040, 62.2765

Monochromacy



Original Color

29.4913, 30.0283, 98.8494

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.5546, 20.9868, 40.6090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4913, 30.0283, 98.8494 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(4, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 153, 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(4, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.4913, 30.0283, 98.8494 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(4, 153, 255) }
```


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

```
.border{ border-color:rgb(4, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(4, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4913, 30.0283, 98.8494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 153, 255) }
```

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

```
.background{ background-color: rgb(4, 153,  
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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