

Converting Colors

XYZ(31.6023, 34.1717, 99.5379)

Have a look what the booklet for
XYZ(31.6023, 34.1717, 99.5379)
contains.

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Color

**XYZ(31.6053, 34.1819,
99.5397)**

Conversions

Conversions Part 1

Format	Color
Hex	08A5FF
RGB	8, 165, 255
RGB Percent	3%, 65%, 100%
CMY	0.9683, 0.3529, 0.0000
CMYK	0.97, 0.35, 0.00, 0.00
HSL	202°, 100%, 52%
HSV	202°, 97%, 100%
XYZ	31.6053, 34.1819, 99.5397
YIQ	128.3170, -122.4620, -5.2940

Conversions

Conversions Part 2

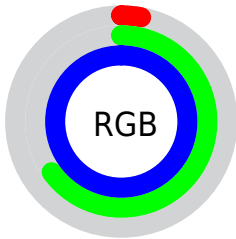
Format	Color
R _Y B	8, 104, 255
Decimal	566783
CIE Lab	65.11, -3.20, -54.27
CIE LCh	65, 54.362, 266.627
Yxy	34.1819, 0.1912, 0.2068
Android (android.graphics.Color)	4278756863 (0xFF08A5FF)
YUV	128.3170, 62.4547, -105.5180
Hunter-Lab	58.4653, -5.8203, -60.0181

Details

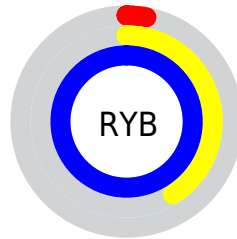
The XYZ color **31.6053, 34.1819, 99.5397** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **45.6592, 30.0276, 3.6214**, and the grayscale version is **20.4568, 21.5221, 23.4376**.

A 20% lighter version of the original color is **50.4533, 61.9171, 103.8998**, and **16.2104, 16.1118, 55.6816** is the 20% darker color. If you saturate the color by 10%, you get **30.9803, 33.0806, 99.3601**, and if you desaturate by 10%, it is **33.8892, 37.9395, 100.1446**.

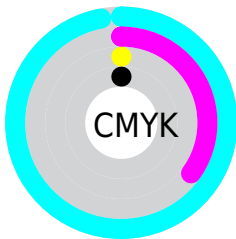
Distribution



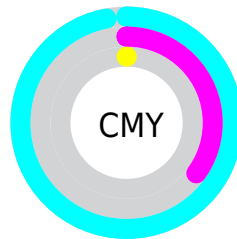
- Red (3%)
- Green (65%)
- Blue (100%)



- Red (3%)
- Yellow (41%)
- Blue (100%)



- Cyan (97%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (97%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6053, 34.1819, 99.5397 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 31.6053, 34.1819, 99.5397 by changing the saturation by 10% instead.

■ 31.6053, 34.1819,
99.5397

■ 31.6053, 34.1819,
99.5397

301.0947,
320.9424, 579.9500

■ 21.2143, 23.0334,
75.3014

■ 61.5612, 66.2164,
162.5708

■ 13.3941, 14.6182,
55.3567

■ 81.8568, 87.8712,
202.2008

■ 7.7793, 8.5518,
39.2868

■ 106.1846,
113.7969, 247.7984

■ 4.0047, 4.4500,
26.6734

■ 134.9100,
144.3779, 299.7822

■ 1.7048, 1.9284,
17.0978

■ 168.3984,
179.9985, 358.5707

■ 0.4593, 0.5653,
10.1416

207.0150,

■ 0.0000, 0.0000,

221.0432, 424.5825

5.3861

251.1253,
267.8964, 498.2360

■ 0.0000, 0.0000,
2.4129

■ 0.0000, 0.0000,
0.7934

■ 31.6053, 34.1819,
99.5397

■ 31.6053, 34.1819,
99.5397

■ 30.9803, 33.0806,
99.3601

■ 33.8892, 37.9395,
100.1446

■ 36.9138, 42.2631,
100.8198

■ 40.8026, 47.2205,
101.5717

■ 45.6528, 52.8651,
102.4056

■ 51.5471, 59.2430,
103.3260

■ 58.5590, 66.3955,
104.3370

■ 66.7547, 74.3598,
105.4423

■ 76.1951, 83.1705,
106.6453

■ 86.9365, 92.8598,
107.9494

Harmonies

Analogous

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



24.8445, 34.1819, 86.5083



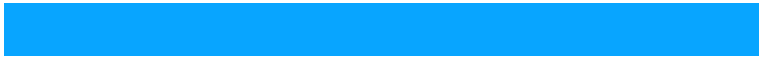
31.6053, 34.1819, 99.5397



39.7659, 34.1819, 91.0672

Triad

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



31.6053, 34.1819, 99.5397



48.0081, 34.1819, 20.9572



21.4044, 34.1819, 18.0834

Complementary

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



31.6053, 34.1819, 99.5397



45.6592, 30.0276, 3.6214

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.



26.1586, 34.1819, 10.3385



31.6053, 34.1819, 99.5397



41.5595, 34.1819, 11.4643

Square

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



31.6053, 34.1819, 99.5397



50.0888, 34.1819, 39.8309



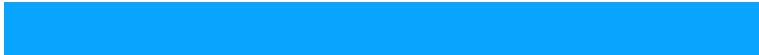
33.3888, 34.1819, 8.5280



19.5862, 34.1819, 34.7225

Rectangle

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



31.6053, 34.1819, 99.5397



44.7980, 34.1819, 75.6932



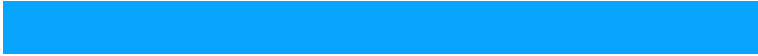
33.3888, 34.1819, 8.5280



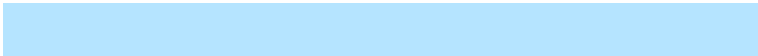
22.6703, 34.1819, 14.6595

Sweetspot

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



31.6065, 34.1829, 99.5399



64.8740, 72.5622, 105.1944



37.9041, 72.3893, 22.6828



13.1298, 14.7989, 22.4144



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.



31.6065, 34.1829, 99.5399



30.9803, 33.0806, 99.3601



19.0940, 9.1579, 95.3690



17.9656, 19.3027, 23.0289



16.3350, 17.5796, 51.9668



1.6946, 1.9198, 5.0945

Inverse Universe

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



48.1194, 24.1520, 37.7236



47.7666, 23.8707, 36.2988



66.3458, 71.4007, 10.5169



18.4953, 18.1814, 21.2252



25.0334, 12.5026, 19.3579



2.4899, 1.2383, 2.1614

Previews

White Background



This preview shows how the XYZ color 31.6053, 34.1819, 99.5397 looks on a white background.

Color Contrast Check

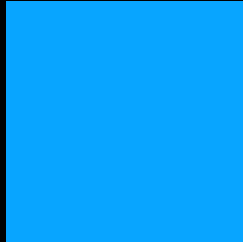
Large Text (above 18pt) WCAG AA × Fail

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 31.6053, 34.1819, 99.5397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

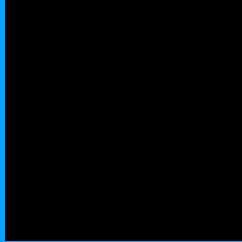
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

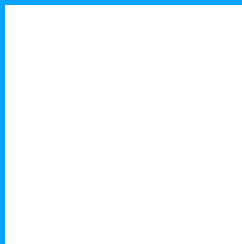
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6053, 34.1819, 99.5397

Background



This preview shows how black text looks on a background with the XYZ color 31.6053, 34.1819, 99.5397.



This preview shows how white text looks on a background with the XYZ color 31.6053, 34.1819,

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

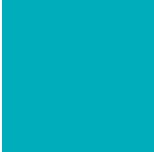
31.6053, 34.1819, 99.5397

Protanopia

36.2054, 33.9147, 91.0242

Deuteranopia

35.1007, 34.1605, 99.3514



Tritanopia

24.1057, 33.8600, 52.2788

Trichromacy



Original Color

31.6053, 34.1819, 99.5397

Protanomaly

32.7191, 33.0426, 94.2759

Deuteranomaly

32.9092, 33.7997, 99.3972

Tritanomaly

26.4841, 33.8986, 67.4346

Monochromacy



Original Color

31.6053, 34.1819, 99.5397

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8210, 23.9906, 43.5777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6053, 34.1819, 99.5397 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(8, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(8, 165, 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(8, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.6053, 34.1819, 99.5397 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(8, 165, 255) }
```


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

```
.border{ border-color:rgb(8, 165, 255) }
```

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

Here you see how a box with a 4 pixel rgb(8, 165, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(8, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6053, 34.1819, 99.5397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 165, 255) }
```

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

```
.background{ background-color: rgb(8, 165,  
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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