

Converting Colors

XYZ(31.9939, 34.9220, 99.6621)

Have a look what the booklet for
XYZ(31.9939, 34.9220, 99.6621)
contains.

XYZ(31.9939, 34.9220, 99.6621)	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(31.9939, 34.9220,
99.6621)**

Conversions

Conversions Part 1

Format	Color
Hex	0AA7FF
RGB	10, 167, 255
RGB Percent	4%, 65%, 100%
CMY	0.9605, 0.3451, 0.0000
CMYK	0.96, 0.35, 0.00, 0.00
HSL	202°, 100%, 52%
HSV	202°, 96%, 100%
XYZ	31.9939, 34.9220, 99.6621
YIQ	130.0890, -121.8200, -5.9160

Conversions

Conversions Part 2

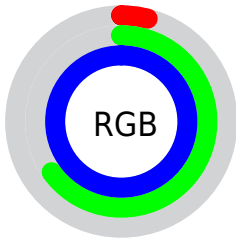
Format	Color
R _Y B	10, 106, 255
Decimal	698367
CIE Lab	65.69, -4.29, -53.35
CIE LCh	66, 53.518, 265.403
Yxy	34.9220, 0.1921, 0.2096
Android (android.graphics.Color)	4278888447 (0xFF0AA7FF)
YUV	130.0890, 61.5811, -105.3181
Hunter-Lab	59.0948, -6.7762, -58.6248

Details

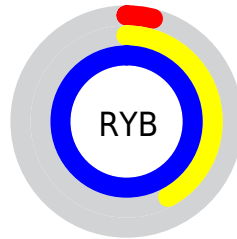
The XYZ color **31.9939, 34.9220, 99.6621** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **45.6698, 30.0312, 3.6789**, and the grayscale version is **21.0779, 22.1756, 24.1492**.

A 20% lighter version of the original color is **51.1107, 63.0400, 104.0819**, and **16.4384, 16.5680, 55.7576** is the 20% darker color. If you saturate the color by 10%, you get **31.2151, 33.5501, 99.4384**, and if you desaturate by 10%, it is **34.3202, 38.7023, 100.2692**.

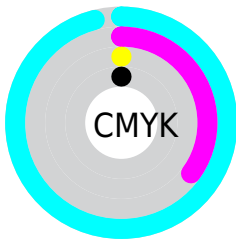
Distribution



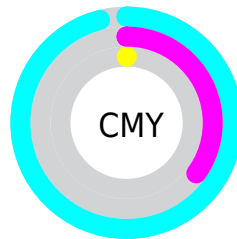
- Red (4%)
- Green (65%)
- Blue (100%)



- Red (4%)
- Yellow (42%)
- Blue (100%)



- Cyan (96%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9939, 34.9220, 99.6621 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 31.9939, 34.9220, 99.6621 by changing the saturation by 10% instead.

31.9939, 34.9220,
99.6621

31.9939, 34.9220,
99.6621

302.8372,
324.2239, 580.3462

21.5124, 23.6028,
75.4031

62.1668, 67.3649,
162.7406

13.6136, 15.0392,
55.4394

82.5888, 89.2574,
202.3971

7.9323, 8.8469,
39.3527

107.0551,
115.4431, 248.0232

4.1031, 4.6415,
26.7243

135.9310,
146.3065, 300.0374

1.7606, 2.0385,
17.1356

169.5818,
182.2318, 358.8583

0.4938, 0.6297,
10.1683

208.3728,

0.0000, 0.0000,

223.6036, 424.9043

5.4036

252.6695,
270.8062, 498.5941

■ 0.0000, 0.0000,
2.4231

■ 0.0000, 0.0000,
0.7990

■ 31.9939, 34.9220,
99.6621

■ 31.9939, 34.9220,
99.6621

■ 31.2151, 33.5501,
99.4384

■ 34.3202, 38.7023,
100.2692

■ 37.3962, 43.0487,
100.9460

■ 41.3413, 48.0266,
101.6989

■ 46.2512, 53.6887,
102.5330

■ 52.2078, 60.0805,
103.4528

■ 59.2837, 67.2425,
104.4623

■ 67.5446, 75.2117,
105.5651

■ 77.0509, 84.0222,
106.7646

■ 87.8586, 93.7059,
108.0641

Harmonies

Analogous

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



25.3188, 34.9220, 86.0293



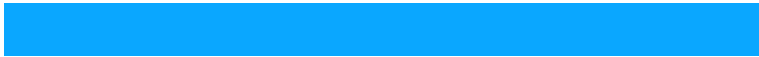
31.9939, 34.9220, 99.6621



40.1175, 34.9220, 92.1570

Triad

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



31.9939, 34.9220, 99.6621



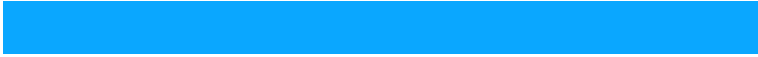
48.8272, 34.9220, 22.2960



22.2274, 34.9220, 18.3403

Complementary

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



31.9939, 34.9220, 99.6621



45.6698, 30.0312, 3.6789

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.



27.1138, 34.9220, 10.7711



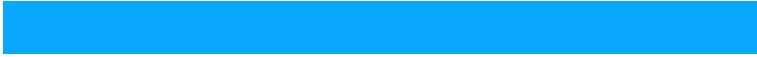
31.9939, 34.9220, 99.6621



42.5492, 34.9220, 12.3403

Square

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



31.9939, 34.9220, 99.6621



50.6800, 34.9220, 41.6053



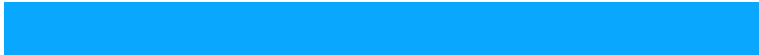
34.4203, 34.9220, 9.1165



20.2761, 34.9220, 34.6545

Rectangle

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



31.9939, 34.9220, 99.6621



45.1779, 34.9220, 77.3001



34.4203, 34.9220, 9.1165



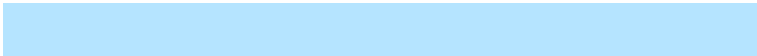
23.5395, 34.9220, 14.9876

Sweetspot

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



31.9951, 34.9230, 99.6622



64.9798, 72.7739, 105.2297



37.9882, 72.4258, 22.9953



13.1552, 14.8497, 22.4229



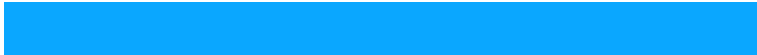
0.0000, 0.0000, 0.0000



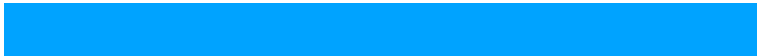
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9951, 34.9230, 99.6622



31.2151, 33.5501, 99.4384



19.1852, 9.3032, 95.3923



17.9738, 19.3191, 23.0316



16.4571, 17.8237, 52.0075



1.7059, 1.9425, 5.0983

Inverse Universe

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



48.3246, 24.2688, 38.6974



47.8851, 23.9180, 36.9227



66.4344, 71.5605, 10.6004



18.4994, 18.1831, 21.2470



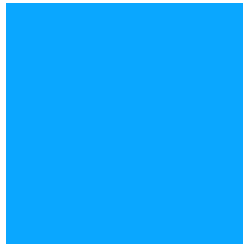
25.0950, 12.5273, 19.6824



2.4957, 1.2406, 2.1916

Previews

White Background



This preview shows how the XYZ color 31.9939, 34.9220, 99.6621 looks on a white background.

Color Contrast Check

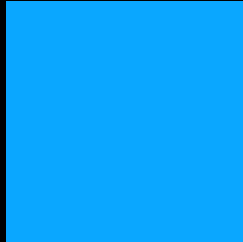
Large Text (above 18pt) WCAG AA × Fail

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 31.9939, 34.9220, 99.6621 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

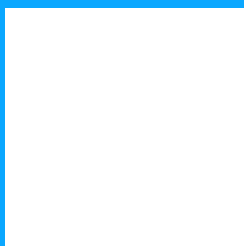
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9939, 34.9220, 99.6621

Background



This preview shows how black text looks on a background with the XYZ color 31.9939, 34.9220, 99.6621.



This preview shows how white text looks on a background with the XYZ color 31.9939, 34.9220,

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

31.9939, 34.9220, 99.6621

Protanopia

36.8070, 34.4709, 91.0998

Deuteranopia

35.8150, 34.7830, 99.4339



Tritanopia

24.7106, 34.7248, 53.5443

Trichromacy



Original Color

31.9939, 34.9220, 99.6621

Protanomaly

33.1532, 33.5206, 94.3453

Deuteranomaly

33.3542, 34.2896, 99.4683

Tritanomaly

27.0039, 34.7170, 68.2286

Monochromacy



Original Color

31.9939, 34.9220, 99.6621

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3981, 24.7185, 44.2008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9939, 34.9220, 99.6621 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(10, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 167, 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(10, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.9939, 34.9220, 99.6621 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(10, 167, 255) }
```


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

```
.border{ border-color:rgb(10, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9939, 34.9220, 99.6621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 167, 255) }
```

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

```
.background{ background-color: rgb(10, 167,  
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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