

Converting Colors

XYZ(31.6602, 33.7055, 99.4449)

Have a look what the booklet for
XYZ(31.6602, 33.7055, 99.4449)
contains.

XYZ(31.6539, 33.6756, 99.4394)	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>	30

Color

**XYZ(31.6539, 33.6756,
99.4394)**

Conversions

Conversions Part 1

Format	Color
Hex	1DA3FF
RGB	29, 163, 255
RGB Percent	11%, 64%, 100%
CMY	0.8861, 0.3608, 0.0000
CMYK	0.89, 0.36, 0.00, 0.00
HSL	204°, 100%, 56%
HSV	204°, 89%, 100%
XYZ	31.6539, 33.6756, 99.4394
YIQ	133.4220, -109.3960, 0.2040

Conversions

Conversions Part 2

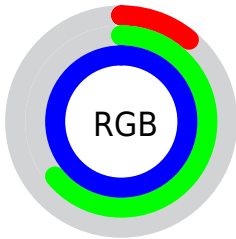
Format	Color
R _Y B	29, 113, 255
Decimal	1942527
CIE Lab	64.70, -1.29, -54.90
CIE LCh	65, 54.912, 268.658
Yxy	33.6756, 0.1921, 0.2044
Android (android.graphics.Color)	4280132607 (0xFF1DA3FF)
YUV	133.4220, 59.9380, -91.5781
Hunter-Lab	58.0307, -4.1876, -60.9758

Details

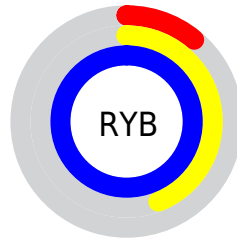
The XYZ color **31.6539, 33.6756, 99.4394** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **48.3036, 35.0317, 5.3805**, and the grayscale version is **22.2690, 23.4287, 25.5139**.

A 20% lighter version of the original color is **50.5926, 61.2144, 103.7568**, and **15.9872, 15.6656, 55.6072** is the 20% darker color. If you saturate the color by 10%, you get **29.4233, 29.9009, 98.8284**, and if you desaturate by 10%, it is **34.6174, 38.0535, 100.1283**.

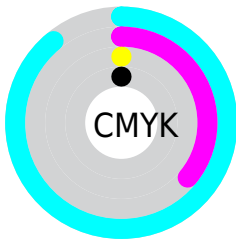
Distribution



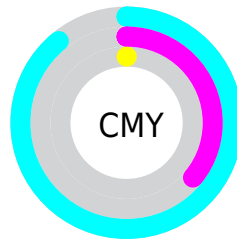
- Red (11%)
- Green (64%)
- Blue (100%)



- Red (11%)
- Yellow (44%)
- Blue (100%)



- Cyan (89%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6539, 33.6756, 99.4394 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 31.6539, 33.6756, 99.4394 by changing the saturation by 10% instead.


 31.6539, 33.6756,
99.4394


 31.6539, 33.6756,
99.4394

301.3130,
318.6831, 579.6252

 21.2515, 22.6445,
75.2182


 61.6370, 65.4289,
162.4317

 13.4215, 14.3312,
55.2888


 81.9484, 86.9199,
202.0399


 7.7984, 8.3514,
39.2329


 106.2936,
112.6662, 247.6141

 4.0170, 4.3206,
26.6317

 135.0379,
143.0524, 299.5730

 1.7117, 1.8545,
17.0668

 168.5466,
178.4628, 358.3350

 0.4636, 0.5208,
10.1197

207.1851,

 0.0000, 0.0000,

219.2818, 424.3186

5.3717

251.3188,
265.8938, 497.9425

■ 0.0000, 0.0000,
2.4045

■ 0.0000, 0.0000,
0.7889

■ 31.6539, 33.6756,
99.4394

■ 31.6539, 33.6756,
99.4394

■ 29.4233, 29.9009,
98.8284

■ 34.6174, 38.0535,
100.1283

■ 29.1457, 29.4114,
98.7486

■ 38.4530, 43.1105,
100.9022

■ 43.2633, 48.9049,
101.7671

■ 49.1343, 55.4858,
102.7279

■ 56.1418, 62.8970,
103.7891

■ 64.3541, 71.1783,
104.9547

■ 73.8337, 80.3665,
106.2286

■ 84.6386, 90.4957,
107.6142

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



24.7530, 33.6756, 87.6433



31.6539, 33.6756, 99.4394



39.8411, 33.6756, 89.4738

Triad

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



31.6539, 33.6756, 99.4394



47.2360, 33.6756, 19.5399



20.7287, 33.6756, 18.4049

Complementary

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



31.6539, 33.6756, 99.4394



48.3036, 35.0317, 5.3805

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.



25.2748, 33.6756, 10.2429



31.6539, 33.6756, 99.4394



40.5570, 33.6756, 10.6836

Square

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



31.6539, 33.6756, 99.4394



49.6784, 33.6756, 37.6933



32.3640, 33.6756, 8.1387



19.1197, 33.6756, 35.6595

Rectangle

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



31.6539, 33.6756, 99.4394



44.7897, 33.6756, 73.4666



32.3640, 33.6756, 8.1387



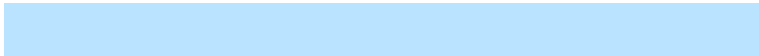
21.9230, 33.6756, 14.8174

Sweetspot

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



31.6551, 33.6766, 99.4396



65.7967, 72.5990, 105.1529



39.6228, 73.1238, 29.6115



13.4383, 14.9018, 22.4180



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.



31.6551, 33.6766, 99.4396



29.1457, 29.4114, 98.7486



19.7693, 9.9049, 95.4776



17.8984, 19.1684, 23.0065



15.3797, 15.6690, 51.6484



1.6049, 1.7405, 5.0646

Inverse Universe

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



48.2912, 24.7848, 36.8897



46.8406, 23.5002, 31.4223



70.4325, 79.2895, 12.7568



18.4614, 18.1679, 21.0466



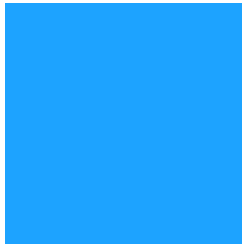
24.5512, 12.3098, 16.8188



2.4447, 1.2202, 1.9231

Previews

White Background



This preview shows how the XYZ color 31.6539, 33.6756, 99.4394 looks on a white background.

Color Contrast Check

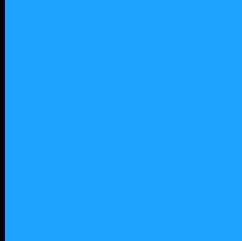
Large Text (above 18pt) WCAG AA × Fail

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 31.6539, 33.6756, 99.4394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

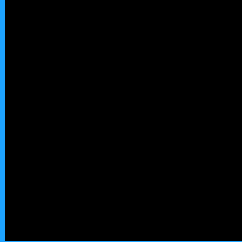
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

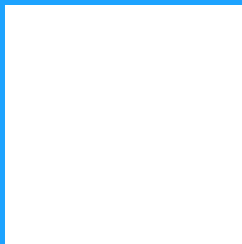
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6539, 33.6756, 99.4394

Background



This preview shows how black text looks on a background with the XYZ color 31.6539, 33.6756, 99.4394.



This preview shows how white text looks on a background with the XYZ color 31.6539, 33.6756,

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

31.6539, 33.6756, 99.4394

Protanopia

35.9109, 33.5012, 91.7625

Deuteranopia

34.6212, 33.6611, 99.2803

Trichromacy



Original Color

31.6539, 33.6756, 99.4394

Protanomaly

33.1804, 33.0282, 94.2488

Deuteranomaly

32.9739, 33.3184, 99.3009

Monochromacy



Original Color

31.6539, 33.6756, 99.4394

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.6284, 25.5537, 45.3347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6539, 33.6756, 99.4394 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(29, 163, 255)` looks like.

```
.text, #text, p{  
  color:rgb(29, 163, 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(29, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.6539, 33.6756, 99.4394 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(29, 163, 255) }
```

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

```
.border{ border-color:rgb(29, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(29, 163,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 31.6539, 33.6756, 99.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 163, 255) }
```

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

```
.background{ background-color: rgb(29, 163,  
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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