

Converting Colors

XYZ(31.6769, 34.2041, 97.4023)

Have a look what the booklet for
XYZ(31.6769, 34.2041, 97.4023)
contains.

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Color

**XYZ(31.6530, 34.2619,
97.0404)**

Conversions

Conversions Part 1

Format	Color
Hex	21A5FC
RGB	33, 165, 252
RGB Percent	13%, 65%, 99%
CMY	0.8705, 0.3529, 0.0118
CMYK	0.87, 0.35, 0.00, 0.01
HSL	204°, 97%, 56%
HSV	204°, 87%, 99%
XYZ	31.6530, 34.2619, 97.0404
YIQ	135.4500, -106.5990, -0.9270

Conversions

Conversions Part 2

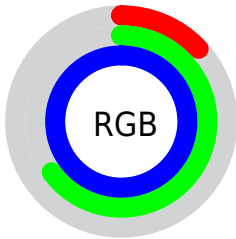
Format	Color
R _Y B	33, 115, 252
Decimal	2205180
CIE Lab	65.17, -3.30, -52.52
CIE LCh	65, 52.624, 266.408
Yxy	34.2619, 0.1942, 0.2103
Android (android.graphics.Color)	4280395260 (0xFF21A5FC)
YUV	135.4500, 57.4592, -89.8486
Hunter-Lab	58.5337, -5.9072, -57.3207

Details

The XYZ color **31.6530, 34.2619, 97.0404** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **47.1398, 34.2449, 5.5662**, and the grayscale version is **23.0211, 24.2200, 26.3756**.

A 20% lighter version of the original color is **51.2509, 62.3283, 103.9371**, and **15.8676, 15.9748, 53.8769** is the 20% darker color. If you saturate the color by 10%, you get **29.3884, 30.5181, 96.4379**, and if you desaturate by 10%, it is **34.6617, 38.6000, 97.7199**.

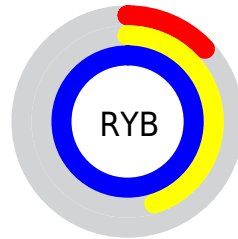
Distribution



Red (13%)

Green (65%)

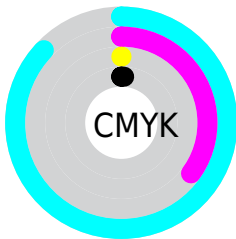
Blue (99%)



Red (13%)

Yellow (45%)

Blue (99%)

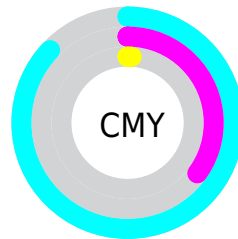


Cyan (87%)

Magenta (35%)

Yellow (0%)

Black (1%)



Cyan (87%)

Magenta (35%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6530, 34.2619, 97.0404 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 31.6530, 34.2619, 97.0404 by changing the saturation by 10% instead.

■ 31.6530, 34.2619,
97.0404

■ 31.6530, 34.2619,
97.0404

301.3090,
321.2983, 571.8270

■ 21.2509, 23.0949,
73.2281

■ 61.6356, 66.3407,
159.1002

■ 13.4210, 14.6636,
53.6696

■ 81.9467, 88.0213,
198.1849

■ 7.7981, 8.5836,
37.9462

■ 106.2916,
113.9752, 243.1974

■ 4.0167, 4.4706,
25.6394

■ 135.0355,
144.5869, 294.5564

■ 1.7116, 1.9401,
16.3307

■ 168.5438,
180.2406, 352.6802

■ 0.4635, 0.5723,
9.6016

207.1820,

■ 0.0000, 0.0000,

221.3208, 417.9876

5.0335

251.3152,
268.2119, 490.8970

■ 0.0000, 0.0000,
2.2078

■ 0.0000, 0.0000,
0.6789

■ 31.6530, 34.2619,
97.0404

■ 31.6530, 34.2619,
97.0404

■ 29.3884, 30.5181,
96.4379

■ 34.6617, 38.6000,
97.7199

■ 28.7796, 29.4458,
96.2630

■ 38.5303, 43.5956,
98.4803

■ 43.3554, 49.3032,
99.3276

■ 49.2182, 55.7692,
100.2667

■ 56.1907, 63.0347,
101.3016

■ 64.3380, 71.1375,
102.4362

■ 73.7197, 80.1124,
103.6740

■ 84.3914, 89.9918,
105.0185

■ 94.5708, 99.8083,
106.3768

Harmonies

Analogous

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



25.0927, 34.2619, 84.4879



31.6530, 34.2619, 97.0404



39.5474, 34.2619, 89.1166

Triad

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



31.6530, 34.2619, 97.0404



47.5784, 34.2619, 21.5440



21.7941, 34.2619, 18.5299

Complementary

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



31.6530, 34.2619, 97.0404



47.1398, 34.2449, 5.5662

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.



26.4569, 34.2619, 10.8825



31.6530, 34.2619, 97.0404



41.3902, 34.2619, 12.0838

Square

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



31.6530, 34.2619, 97.0404



49.5420, 34.2619, 40.0044



33.4942, 34.2619, 9.0952



19.9908, 34.2619, 34.7306

Rectangle

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



31.6530, 34.2619, 97.0404



44.4091, 34.2619, 74.4963



33.4942, 34.2619, 9.0952



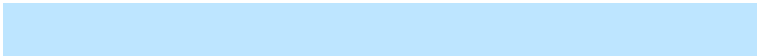
23.0395, 34.2619, 15.1614

Sweetspot

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



31.6543, 34.2630, 97.0413



66.8869, 73.8504, 105.3370



38.6477, 71.2288, 28.5311



13.6573, 15.1624, 22.4568



0.0000, 0.0000, 0.0000



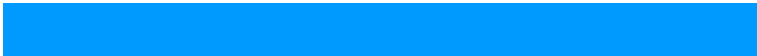
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6543, 34.2630, 97.0413



29.5541, 30.2281, 98.8847



19.7411, 10.4365, 93.0702



17.1534, 18.3836, 22.0296



15.1395, 15.6346, 50.1934



1.5057, 1.6551, 4.6833

Inverse Universe

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



47.4815, 24.5015, 37.8248



47.0467, 23.5827, 32.5077



67.7401, 75.4455, 12.4330



17.6839, 17.4009, 20.1914



23.9337, 11.9892, 16.8914



2.2689, 1.1313, 1.8396

Previews

White Background



This preview shows how the XYZ color 31.6530, 34.2619, 97.0404 looks on a white background.

Color Contrast Check

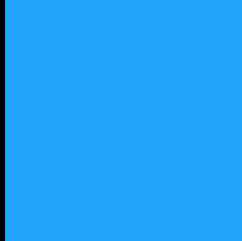
Large Text (above 18pt) WCAG AA × Fail

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 31.6530, 34.2619, 97.0404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

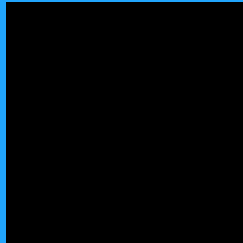
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

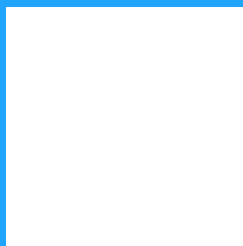
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6530, 34.2619, 97.0404

Background



This preview shows how black text looks on a background with the XYZ color 31.6530, 34.2619, 97.0404.



This preview shows how white text looks on a background with the XYZ color 31.6530, 34.2619,

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

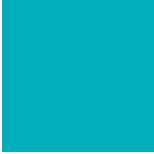
31.6530, 34.2619, 97.0404

Protanopia

36.0401, 33.8820, 88.6448

Deuteranopia

35.2618, 34.2621, 98.5207



Tritanopia

24.2996, 34.2478, 52.3435

Trichromacy



Original Color

31.6530, 34.2619, 97.0404

Protanomaly

33.2750, 33.3829, 91.8785

Deuteranomaly

33.3761, 34.0774, 97.7470

Tritanomaly

26.4724, 33.9071, 66.7775

Monochromacy



Original Color

31.6530, 34.2619, 97.0404

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.3518, 26.3688, 45.9784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6530, 34.2619, 97.0404 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(33, 165, 252)` looks like.

```
.text, #text, p{  
    color:rgb(33, 165, 252)  
}
```

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(33, 165, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 165, 252) }
```

Border

The CSS property to change the border of an element to XYZ 31.6530, 34.2619, 97.0404 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(33, 165, 252) }
```


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

```
.border{ border-color:rgb(33, 165, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 165, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 165, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 165, 252);  
box-shadow:4px 4px 4px 4px rgb(33, 165,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6530, 34.2619, 97.0404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 165, 252) }
```

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

```
.background{ background-color: rgb(33, 165,  
252) }
```

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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