

Converting Colors

XYZ(31.0406, 33.9490, 96.1859)

Have a look what the booklet for
XYZ(31.0406, 33.9490, 96.1859)
contains.

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Color

**XYZ(31.0488, 33.9687,
96.1869)**

Conversions

Conversions Part 1

Format	Color
Hex	0EA5FB
RGB	14, 165, 251
RGB Percent	5%, 65%, 98%
CMY	0.9449, 0.3529, 0.0157
CMYK	0.94, 0.34, 0.00, 0.02
HSL	202°, 97%, 52%
HSV	202°, 94%, 98%
XYZ	31.0488, 33.9687, 96.1869
YIQ	129.6550, -117.6020, -5.2660

Conversions

Conversions Part 2

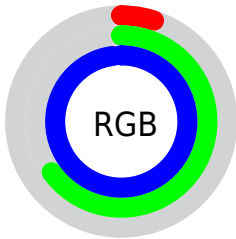
Format	Color
R_{YB}	14, 106, 251
Decimal	959995
CIE _{Lab}	64.94, -4.52, -52.36
CIE _{LCh}	65, 52.550, 265.071
Yxy	33.9687, 0.1926, 0.2107
Android (android.graphics.Color)	4279150075 (0xFF0EA5FB)
YUV	129.6550, 59.8231, -101.4294
Hunter-Lab	58.2827, -6.9028, -57.0515

Details

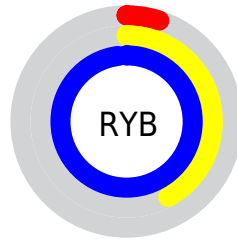
The XYZ color **31.0488, 33.9687, 96.1869** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **44.4261, 29.6662, 3.8021**, and the grayscale version is **20.9283, 22.0182, 23.9779**.

A 20% lighter version of the original color is **50.4533, 61.9171, 103.8998**, and **15.7549, 15.9297, 53.2833** is the 20% darker color. If you saturate the color by 10%, you get **29.9662, 32.0720, 95.8786**, and if you desaturate by 10%, it is **33.4130, 37.7148, 96.7861**.

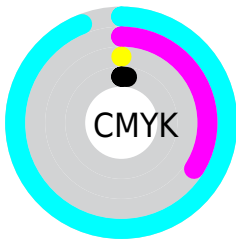
Distribution



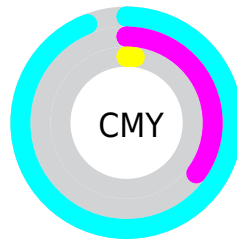
- Red (5%)
- Green (65%)
- Blue (98%)



- Red (5%)
- Yellow (42%)
- Blue (98%)



- Cyan (94%)
- Magenta (34%)
- Yellow (0%)
- Black (2%)



- Cyan (94%)
- Magenta (35%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0488, 33.9687, 96.1869 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 31.0488, 33.9687, 96.1869 by changing the saturation by 10% instead.

■ 31.0488, 33.9687,
96.1869

■ 31.0488, 33.9687,
96.1869

298.5859,
319.9925, 569.0389

■ 20.7880, 22.8696,
72.5209

■ 60.6922, 65.8850,
157.9130

■ 13.0807, 14.4972,
53.0949

■ 80.8056, 87.4709,
196.8102

■ 7.5615, 8.4673,
37.4903

■ 104.9338,
113.3213, 241.6215

■ 3.8651, 4.3954,
25.2885

■ 133.4423,
143.8204, 292.7654

■ 1.6261, 1.8971,
16.0712

■ 166.6964,
179.3526, 350.6606

■ 0.4093, 0.5466,
9.4196

205.0615,

■ 0.0000, 0.0000,

220.3025, 415.7256

4.9154

248.9029,
267.0543, 488.3788

■ 0.0000, 0.0000,
2.1398

■ 0.0000, 0.0000,
0.6393

■ 31.0488, 33.9687,
96.1869

■ 31.0488, 33.9687,
96.1869

■ 29.9662, 32.0720,
95.8786

■ 33.4130, 37.7148,
96.7861

■ 36.5231, 42.0223,
97.4536

■ 40.4895, 46.9518,
98.1961

■ 45.4016, 52.5529,
99.0183

■ 51.3366, 58.8684,
99.9245

■ 58.3631, 65.9369,
100.9185

■ 66.5436, 73.7937,
102.0039

■ 75.9354, 82.4712,
103.1838

■ 86.5918, 91.9998,
104.4613

Harmonies

Analogous

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



24.6325, 33.9687, 82.9077



31.0488, 33.9687, 96.1869



38.8714, 33.9687, 89.2102

Triad

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



31.0488, 33.9687, 96.1869



47.3863, 33.9687, 21.9557



21.7411, 33.9687, 17.8499

Complementary

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



31.0488, 33.9687, 96.1869



44.4261, 29.6662, 3.8021

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.



26.4902, 33.9687, 10.5807



31.0488, 33.9687, 96.1869



41.3809, 33.9687, 12.2172

Square

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



31.0488, 33.9687, 96.1869



49.1125, 33.9687, 40.6937



33.5561, 33.9687, 9.0221



19.8228, 33.9687, 33.5109

Rectangle

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



31.0488, 33.9687, 96.1869



43.7561, 33.9687, 75.0386



33.5561, 33.9687, 9.0221



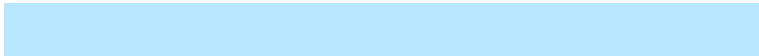
23.0194, 33.9687, 14.6293

Sweetspot

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



31.0501, 33.9698, 96.1878



65.7644, 73.4469, 105.3183



36.8365, 69.9515, 22.8666



13.3014, 14.9739, 22.4391



0.0000, 0.0000, 0.0000



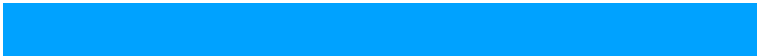
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0501, 33.9698, 96.1878



31.0493, 33.2186, 99.3831



18.7182, 9.3059, 92.0771



17.2051, 18.4870, 22.0468



15.8947, 17.1449, 50.4451



1.5728, 1.7893, 4.7056

Inverse Universe

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



46.7334, 23.5417, 37.6790



47.8015, 23.8846, 36.4822



64.2811, 69.3763, 10.4205



17.7101, 17.4114, 20.3289



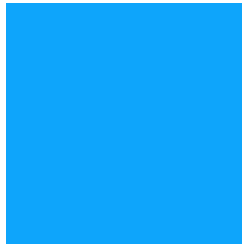
24.3149, 12.1417, 18.8986



2.3028, 1.1449, 2.0180

Previews

White Background



This preview shows how the XYZ color 31.0488, 33.9687, 96.1869 looks on a white background.

Color Contrast Check

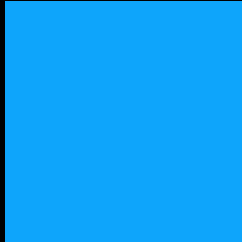
Large Text (above 18pt) WCAG AA × Fail

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 31.0488, 33.9687, 96.1869 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

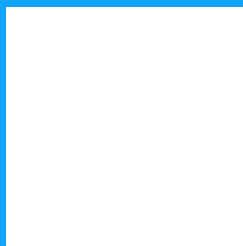
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0488, 33.9687, 96.1869

Background



This preview shows how black text looks on a background with the XYZ color 31.0488, 33.9687, 96.1869.



This preview shows how white text looks on a background with the XYZ color 31.0488, 33.9687,

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

31.0488, 33.9687, 96.1869

Protanopia

35.8902, 33.8220, 87.8558

Deuteranopia

34.9322, 33.8584, 97.6227



Tritanopia

24.1057, 33.8600, 52.2788

Trichromacy



Original Color

31.0488, 33.9687, 96.1869

Protanomaly

32.4546, 32.9776, 91.0410

Deuteranomaly

32.5254, 33.3988, 96.8278

Tritanomaly

26.2584, 33.8112, 66.1150

Monochromacy



Original Color

31.0488, 33.9687, 96.1869

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.4869, 24.7756, 43.6941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0488, 33.9687, 96.1869 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(14, 165, 251)` looks like.

```
.text, #text, p{  
    color:rgb(14, 165, 251)  
}
```

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(14, 165, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 165, 251) }
```

Border

The CSS property to change the border of an element to XYZ 31.0488, 33.9687, 96.1869 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(14, 165, 251) }
```


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

```
.border{ border-color:rgb(14, 165, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 165, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 165, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 165, 251);  
box-shadow:4px 4px 4px 4px rgb(14, 165,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0488, 33.9687, 96.1869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 165, 251) }
```

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

```
.background{ background-color: rgb(14, 165,  
251) }
```

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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