

Converting Colors

XYZ(31.0321, 35.1160, 93.4216)

Have a look what the booklet for
XYZ(31.0321, 35.1160, 93.4216)
contains.

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Color

**XYZ(30.9765, 35.0913,
93.1364)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9F7
RGB	0, 169, 247
RGB Percent	0%, 66%, 97%
CMY	0.9997, 0.3372, 0.0314
CMYK	1.00, 0.32, 0.00, 0.03
HSL	199°, 100%, 48%
HSV	199°, 100%, 97%
XYZ	30.9765, 35.0913, 93.1364
YIQ	127.3610, -125.7620, -11.5700

Conversions

Conversions Part 2

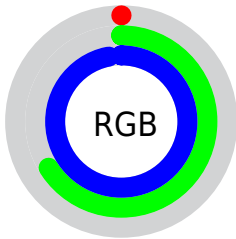
Format	Color
RYB	0, 100, 247
Decimal	43511
CIELab	65.82, -8.58, -48.78
CIELCh	66, 49.534, 260.020
Yxy	35.0913, 0.1946, 0.2204
Android (android.graphics.Color)	4278233591 (0xFF00A9F7)
YUV	127.3610, 58.9820, -111.6956
Hunter-Lab	59.2379, -10.3257, -51.7518

Details

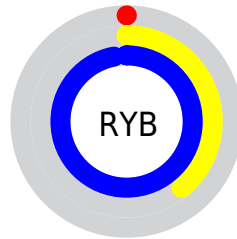
The XYZ color **30.9765, 35.0913, 93.1364** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **41.0883, 25.2339, 2.7072**, and the grayscale version is **20.1395, 21.1883, 23.0740**.

A 20% lighter version of the original color is **51.1361, 63.8463, 104.2362**, and **15.6556, 16.4403, 51.0634** is the 20% darker color. If you saturate the color by 10%, you get **30.9725, 35.0831, 93.1358**, and if you desaturate by 10%, it is **32.8675, 38.2861, 93.6542**.

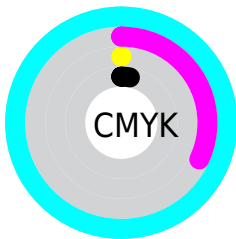
Distribution



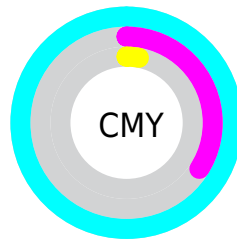
- Red (0%)
- Green (66%)
- Blue (97%)



- Red (0%)
- Yellow (39%)
- Blue (97%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (34%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9765, 35.0913, 93.1364 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 30.9765, 35.0913, 93.1364 by changing the saturation by 10% instead.

■ 30.9765, 35.0913,
93.1364

■ 30.9765, 35.0913,
93.1364

298.2589,
324.9711, 559.0127

■ 20.7327, 23.7332,
69.9966

■ 60.5792, 67.6272,
153.6608

■ 13.0401, 15.1358,
51.0470

■ 80.6687, 89.5738,
191.8824

■ 7.5334, 8.9148,
35.8690

■ 104.7709,
115.8186, 235.9684

■ 3.8471, 4.6856,
24.0441

■ 133.2511,
146.7462, 286.3373

■ 1.6160, 2.0640,
15.1539

■ 166.4747,
182.7408, 343.4077

■ 0.4028, 0.6443,
8.7796

204.8069,

■ 0.0000, 0.0000,

224.1869, 407.5980

4.5029

248.6132,
271.4689, 479.3268

■ 0.0000, 0.0000,
1.9051

■ 0.0000, 0.0000,
0.4960

■ 30.9765, 35.0913,
93.1364

■ 30.9765, 35.0913,
93.1364

■ 30.9725, 35.0831,
93.1358

■ 32.8675, 38.2861,
93.6542

■ 35.3450, 41.9137,
94.2238

■ 38.5657, 46.0572,
94.8538

■ 42.6238, 50.7674,
95.5491

■ 47.5988, 56.0872,
96.3137

■ 53.5600, 62.0544,
97.1513

■ 60.5700, 68.7031,
98.0651

■ 68.6858, 76.0646,
99.0583

■ 77.9600, 84.1679,
100.1336

Harmonies

Analogous

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



25.1139, 35.0913, 78.0923



30.9765, 35.0913, 93.1364



38.3996, 35.0913, 89.8732

Triad

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



30.9765, 35.0913, 93.1364



48.3768, 35.0913, 26.0193



23.7017, 35.0913, 17.7436

Complementary

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



30.9765, 35.0913, 93.1364



41.0883, 25.2339, 2.7072

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.



28.7696, 35.0913, 11.4961



30.9765, 35.0913, 93.1364



43.2224, 35.0913, 14.9211

Square

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



30.9765, 35.0913, 93.1364



49.1971, 35.0913, 45.6167



35.8485, 35.0913, 10.6968



21.3385, 35.0913, 31.6491

Rectangle

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



30.9765, 35.0913, 93.1364



43.2313, 35.0913, 78.0630



35.8485, 35.0913, 10.6968



25.1076, 35.0913, 14.9308

Sweetspot

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



30.9778, 35.0924, 93.1373



65.0548, 73.8037, 105.4245



34.5032, 67.0191, 17.6231



13.2137, 15.1318, 22.4742



0.0000, 0.0000, 0.0000



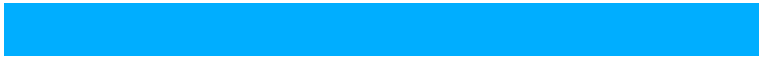
20.3446, 21.4041, 23.3091

Same Dimension

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



30.9778, 35.0924, 93.1373



33.2731, 37.6662, 100.1244



17.9073, 8.9513, 88.7805



16.5295, 17.8233, 21.1116



16.5133, 18.8205, 49.3004



1.5433, 1.8381, 4.3637

Inverse Universe

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



45.5205, 22.6406, 39.5077



48.9239, 24.3336, 42.3930



58.4649, 59.9873, 8.4994



16.9778, 16.6740, 19.6298



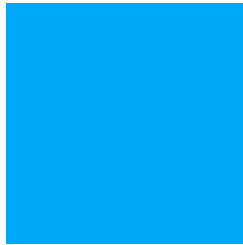
24.1397, 11.9993, 21.2417



2.1681, 1.0732, 2.1114

Previews

White Background



This preview shows how the XYZ color 30.9765, 35.0913, 93.1364 looks on a white background.

Color Contrast Check

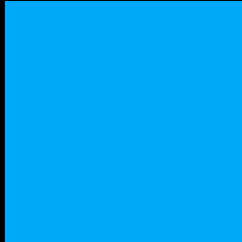
Large Text (above 18pt) WCAG AA × Fail

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 30.9765, 35.0913, 93.1364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

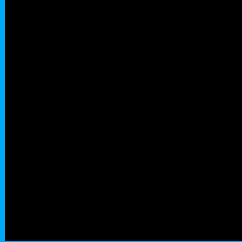
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

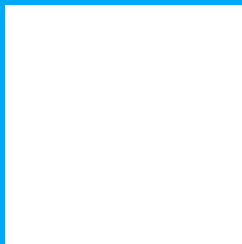
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9765, 35.0913, 93.1364

Background



This preview shows how black text looks on a background with the XYZ color 30.9765, 35.0913, 93.1364.



This preview shows how white text looks on a background with the XYZ color 30.9765, 35.0913,

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

30.9765, 35.0913, 93.1364

Protanopia

36.5445, 34.7386, 84.1360

Deuteranopia

35.9274, 34.9508, 94.4751



Tritanopia

25.0164, 35.1620, 54.1836

Trichromacy



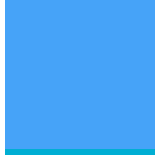
Original Color

30.9765, 35.0913, 93.1364



Protanomaly

32.1292, 33.6658, 87.2428



Deuteranomaly

32.5663, 34.2738, 93.7060



Tritanomaly

26.8939, 34.9753, 66.9615

Monochromacy



Original Color

30.9765, 35.0913, 93.1364



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

20.4170, 24.0356, 42.0913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9765, 35.0913, 93.1364 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(0, 169, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 247)  
}
```

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(0, 169, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 247) }
```

Border

The CSS property to change the border of an element to XYZ 30.9765, 35.0913, 93.1364 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(0, 169, 247) }
```


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

```
.border{ border-color:rgb(0, 169, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9765, 35.0913, 93.1364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 247) }
```

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

```
.background{ background-color: rgb(0, 169,  
247) }
```

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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