

Converting Colors

XYZ(32.4563, 35.8431, 99.8155)

Have a look what the booklet for
XYZ(32.4563, 35.8431, 99.8155)
contains.

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Color

**XYZ(32.3631, 35.6605,
99.7852)**

Conversions

Conversions Part 1

Format	Color
Hex	0AA9FF
RGB	10, 169, 255
RGB Percent	4%, 66%, 100%
CMY	0.9605, 0.3372, 0.0000
CMYK	0.96, 0.34, 0.00, 0.00
HSL	201°, 100%, 52%
HSV	201°, 96%, 100%
XYZ	32.3631, 35.6605, 99.7852
YIQ	131.2630, -122.3700, -6.9620

Conversions

Conversions Part 2

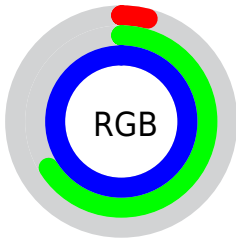
Format	Color
R _Y B	10, 106, 255
Decimal	698879
CIE Lab	66.26, -5.42, -52.44
CIE LCh	66, 52.719, 264.097
Yxy	35.6605, 0.1929, 0.2125
Android (android.graphics.Color)	4278888959 (0xFF0AA9FF)
YUV	131.2630, 61.0023, -106.3477
Hunter-Lab	59.7164, -7.7663, -57.2712

Details

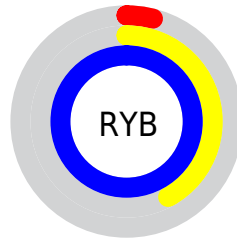
The XYZ color **32.3631, 35.6605, 99.7852** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **45.4842, 29.6602, 3.6169**, and the grayscale version is **21.4953, 22.6148, 24.6275**.

A 20% lighter version of the original color is **51.6451, 64.1087, 104.2600**, and **16.5543, 16.7998, 55.7963** is the 20% darker color. If you saturate the color by 10%, you get **31.5894, 34.2988, 99.5631**, and if you desaturate by 10%, it is **34.6741, 39.4103, 100.3872**.

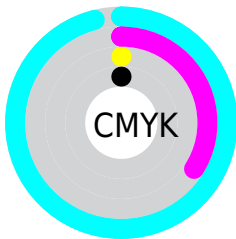
Distribution



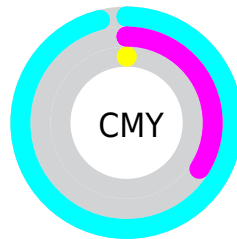
- Red (4%)
- Green (66%)
- Blue (100%)



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



- Cyan (96%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3631, 35.6605, 99.7852 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 32.3631, 35.6605, 99.7852 by changing the saturation by 10% instead.

■ 32.3631, 35.6605,
99.7852

■ 32.3631, 35.6605,
99.7852

304.4860,
327.4742, 580.7446

■ 21.7959, 24.1721,
75.5053

■ 62.7412, 68.5077,
162.9113

■ 13.8228, 15.4613,
55.5227

■ 83.2829, 90.6354,
202.5945

■ 8.0784, 9.1438,
39.4190

■ 107.8800,
117.0782, 248.2492

■ 4.1974, 4.8351,
26.7755

■ 136.8980,
148.2206, 300.2940

■ 1.8144, 2.1508,
17.1737

■ 170.7023,
184.4471, 359.1474

■ 0.5263, 0.6930,
10.1952

209.6581,

■ 0.0000, 0.0000,

226.1419, 425.2280

5.4213

254.1309,
273.6894, 498.9542

■ 0.0000, 0.0000,
2.4335

■ 0.0000, 0.0000,
0.8046

■ 32.3631, 35.6605,
99.7852

■ 32.3631, 35.6605,
99.7852

■ 31.5894, 34.2988,
99.5631

■ 34.6741, 39.4103,
100.3872

■ 37.7297, 43.7162,
101.0572

■ 41.6492, 48.6432,
101.8017

■ 46.5281, 54.2436,
102.6255

■ 52.4482, 60.5628,
103.5332

■ 59.4820, 67.6408,
104.5287

■ 67.6950, 75.5145,
105.6156

■ 77.1474, 84.2177,
106.7973

■ 87.8952, 93.7819,
108.0769

Harmonies

Analogous

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



25.7790, 35.6605, 85.5213



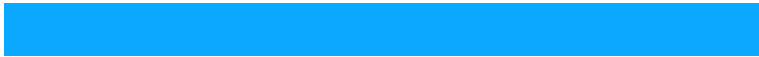
32.3631, 35.6605, 99.7852



40.4494, 35.6605, 93.2829

Triad

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



32.3631, 35.6605, 99.7852



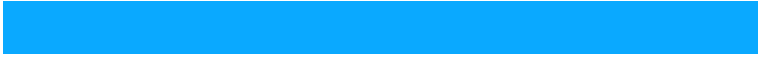
49.6535, 35.6605, 23.6970



23.0635, 35.6605, 18.5697

Complementary

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



32.3631, 35.6605, 99.7852



45.4842, 29.6602, 3.6169

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.



28.0885, 35.6605, 11.1974



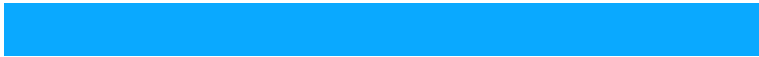
32.3631, 35.6605, 99.7852



43.5555, 35.6605, 13.2557

Square

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



32.3631, 35.6605, 99.7852



51.2667, 35.6605, 43.4534



35.4729, 35.6605, 9.7207



20.9701, 35.6605, 34.5435

Rectangle

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



32.3631, 35.6605, 99.7852



45.5412, 35.6605, 78.9635



35.4729, 35.6605, 9.7207



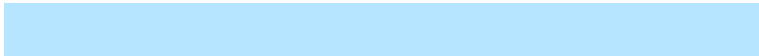
24.4244, 35.6605, 15.2949

Sweetspot

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



32.3643, 35.6616, 99.7853



65.1468, 73.1079, 105.2854



37.9879, 72.4257, 22.9944



13.1953, 14.9299, 22.4362



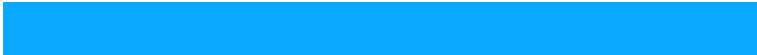
0.0000, 0.0000, 0.0000



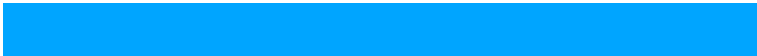
20.3446, 21.4041, 23.3091

Same Dimension

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



32.3643, 35.6616, 99.7853



31.5894, 34.2988, 99.5631



19.1849, 9.3028, 95.3922



17.9867, 19.3450, 23.0359



16.6517, 18.2129, 52.0724



1.7240, 1.9787, 5.1043

Inverse Universe

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



48.5109, 24.3432, 39.6789



48.0741, 23.9936, 37.9176



66.4342, 71.5601, 10.6002



18.5059, 18.1857, 21.2814



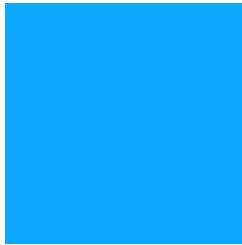
25.1932, 12.5666, 20.1996



2.5048, 1.2443, 2.2397

Previews

White Background



This preview shows how the XYZ color 32.3631, 35.6605, 99.7852 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 32.3631, 35.6605, 99.7852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

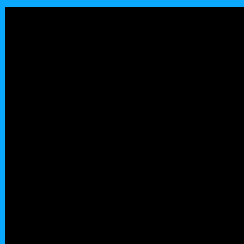
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

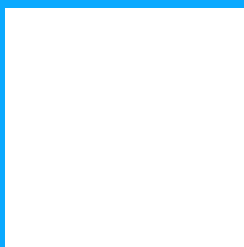
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3631, 35.6605, 99.7852

Background



This preview shows how black text looks on a background with the XYZ color 32.3631, 35.6605, 99.7852.

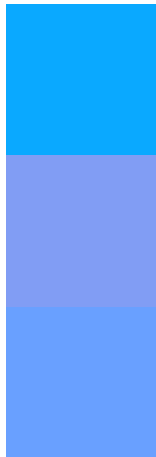


This preview shows how white text looks on a background with the XYZ color 32.3631, 35.6605,

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

32.3631, 35.6605, 99.7852

Protanopia

37.4394, 35.3127, 90.4307

Deuteranopia

36.4465, 35.3649, 99.5129



Tritanopia

25.3244, 35.6024, 54.8274

Trichromacy



Original Color

32.3631, 35.6605, 99.7852

Protanomaly

33.5259, 34.2455, 93.6500

Deuteranomaly

33.6730, 34.7165, 99.5339

Tritanomaly

27.5176, 35.5408, 69.0281

Monochromacy



Original Color

32.3631, 35.6605, 99.7852

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.8924, 25.4116, 44.8254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3631, 35.6605, 99.7852 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, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 169, 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, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.3631, 35.6605, 99.7852 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, 169, 255) }
```


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

```
.border{ border-color:rgb(10, 169, 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, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3631, 35.6605, 99.7852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 169, 255) }
```

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

```
.background{ background-color: rgb(10, 169,  
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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