

Converting Colors

XYZ(30.6832, 35.6087, 98.9131)

Have a look what the booklet for
XYZ(30.6832, 35.6087, 98.9131)
contains.

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Color

**XYZ(32.6419, 36.6608,
99.1218)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACFE
RGB	0, 172, 254
RGB Percent	0%, 67%, 100%
CMY	0.9997, 0.3255, 0.0039
CMYK	1.00, 0.32, 0.00, 0.00
HSL	199°, 100%, 50%
HSV	199°, 100%, 100%
XYZ	32.6419, 36.6608, 99.1218
YIQ	129.9200, -128.8340, -10.9620

Conversions

Conversions Part 2

Format	Color
RYB	0, 103, 254
Decimal	44286
CIELab	67.02, -7.71, -50.69
CIELCh	67, 51.277, 261.356
Yxy	36.6608, 0.1938, 0.2177
Android (android.graphics.Color)	4278234366 (0xFF00ACFE)
YUV	129.9200, 61.1714, -113.9398
Hunter-Lab	60.5482, -9.7288, -54.6784

Details

The XYZ color **32.6419, 36.6608, 99.1218** 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 **43.8966, 27.1168, 2.9226**, and the grayscale version is **21.0215, 22.1162, 24.0846**.

A 20% lighter version of the original color is **52.2012, 65.6029, 104.5191**, and **16.7945, 17.4642, 55.3091** is the 20% darker color. If you saturate the color by 10%, you get **32.6379, 36.6525, 99.1212**, and if you desaturate by 10%, it is **34.6647, 40.0935, 99.6786**.

Distribution



- Red (0%)
- Green (67%)
- Blue (100%)



- Red (0%)
- Yellow (40%)
- Blue (100%)



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





- Cyan (100%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6419, 36.6608, 99.1218 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 32.6419, 36.6608, 99.1218 by changing the saturation by 10% instead.


 32.6419, 36.6608,
99.1218


 32.6419, 36.6608,
99.1218


305.7266,
331.8396, 578.5960


 22.0102, 24.9450,
74.9545


 63.1745, 70.0508,
161.9911


 13.9810, 16.0361,
55.0741


 83.8060, 92.4937,
201.5303


 8.1891, 9.5497,
39.0621


 108.5016,
119.2812, 247.0305

 4.2690, 5.1014,
26.4998

 137.6265,
150.7975, 298.9103

 1.8554, 2.3069,
16.9688

 171.5461,
187.4271, 357.5882

 0.5507, 0.7774,
10.0505

210.6257,

 0.0000, 0.0000,

229.5544, 423.4827

5.3264

255.2308,
277.5638, 497.0125

■ 0.0000, 0.0000,
2.3780

■ 0.0000, 0.0000,
0.7744

■ 32.6419, 36.6608,
99.1218

■ 32.6419, 36.6608,
99.1218

■ 32.6379, 36.6525,
99.1212

■ 34.6647, 40.0935,
99.6786

■ 37.3186, 43.9966,
100.2921

■ 40.7693, 48.4585,
100.9714

■ 45.1183, 53.5338,
101.7218

■ 50.4505, 59.2687,
102.5477

■ 56.8407, 65.7038,
103.4530

■ 64.3558, 72.8760,
104.4413

■ 73.0570, 80.8190,
105.5159

■ 83.0006, 89.5639,
106.6797

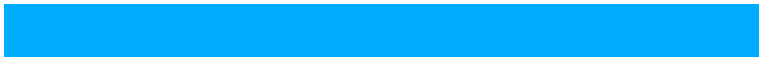
Harmonies

Analogous

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



26.3031, 36.6608, 83.6715



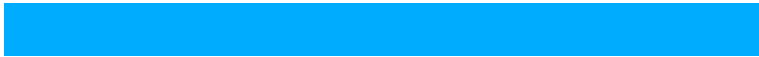
32.6419, 36.6608, 99.1218



40.5893, 36.6608, 94.6818

Triad

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



32.6419, 36.6608, 99.1218



50.7398, 36.6608, 26.2447



24.4063, 36.6608, 18.6743

Complementary

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



32.6419, 36.6608, 99.1218



43.8966, 27.1168, 2.9226

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.



29.6699, 36.6608, 11.8117



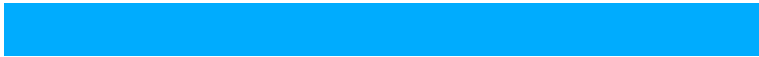
32.6419, 36.6608, 99.1218



45.0609, 36.6608, 14.9122

Square

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



32.6419, 36.6608, 99.1218



51.8506, 36.6608, 46.7181



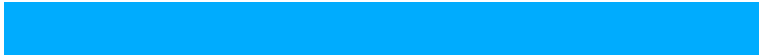
37.1450, 36.6608, 10.7533



22.0351, 36.6608, 33.8109

Rectangle

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



32.6419, 36.6608, 99.1218



45.7087, 36.6608, 81.5520



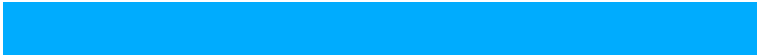
37.1450, 36.6608, 10.7533



25.8554, 36.6608, 15.5994

Sweetspot

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



32.6433, 36.6620, 99.1228



64.9044, 73.5029, 105.3744



36.9090, 71.4711, 19.5335



13.1777, 15.0598, 22.4622



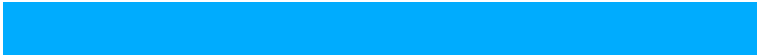
0.0000, 0.0000, 0.0000



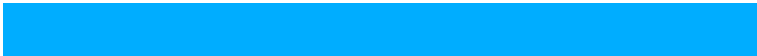
20.3446, 21.4041, 23.3091

Same Dimension

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



32.6433, 36.6620, 99.1228



32.9274, 36.9747, 100.0091



18.8921, 9.1596, 94.5390



18.0314, 19.4344, 23.0508



17.3466, 19.6027, 52.3040



1.7881, 2.1070, 5.1257

Inverse Universe

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



48.3208, 24.0512, 41.1261



48.7494, 24.2638, 41.4740



63.2952, 65.9140, 9.3888



18.5285, 18.1947, 21.4001



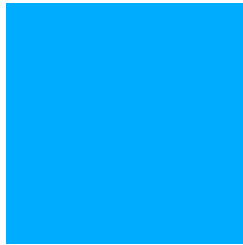
25.5439, 12.7069, 22.0467



2.5372, 1.2572, 2.4102

Previews

White Background



This preview shows how the XYZ color 32.6419, 36.6608, 99.1218 looks on a white background.

Color Contrast Check

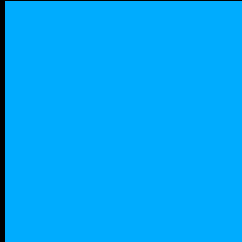
Large Text (above 18pt) WCAG AA × Fail

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 32.6419, 36.6608, 99.1218 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

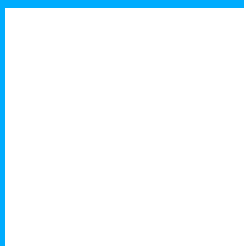
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6419, 36.6608, 99.1218

Background



This preview shows how black text looks on a background with the XYZ color 32.6419, 36.6608, 99.1218.



This preview shows how white text looks on a background with the XYZ color 32.6419, 36.6608,

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

32.6419, 36.6608, 99.1218

Protanopia

38.2487, 36.2539, 89.7758

Deuteranopia

37.5259, 36.4402, 99.6636



Tritanopia

25.9469, 36.4928, 56.1283

Trichromacy



Original Color

32.6419, 36.6608, 99.1218

Protanomaly

33.8103, 35.1976, 93.0075

Deuteranomaly

34.2848, 35.8320, 99.7170

Tritanomaly

27.9879, 36.3506, 69.8312

Monochromacy



Original Color

32.6419, 36.6608, 99.1218

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.4305, 25.1849, 44.2891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6419, 36.6608, 99.1218 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, 172, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 254)  
}
```

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, 172, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 254) }
```

Border

The CSS property to change the border of an element to XYZ 32.6419, 36.6608, 99.1218 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, 172, 254) }
```


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

```
.border{ border-color:rgb(0, 172, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6419, 36.6608, 99.1218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 254) }
```

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

```
.background{ background-color: rgb(0, 172,  
254) }
```

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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