

Converting Colors

XYZ(36.8817, 39.9219,
100.8666)

Have a look what the booklet for
XYZ(36.8817, 39.9219, 100.8666)
contains.

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Color

**XYZ(36.7998, 39.9329,
100.3760)**

Conversions

Conversions Part 1

Format	Color
Hex	4FB0FF
RGB	79, 176, 255
RGB Percent	31%, 69%, 100%
CMY	0.6902, 0.3098, 0.0000
CMYK	0.69, 0.31, 0.00, 0.00
HSL	207°, 100%, 65%
HSV	207°, 69%, 100%
XYZ	36.7998, 39.9329, 100.3760
YIQ	156.0030, -83.1710, 4.0050

Conversions

Conversions Part 2

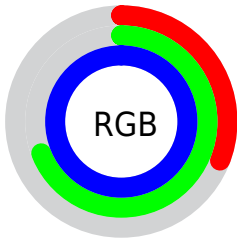
Format	Color
R_{YB}	79, 142, 255
Decimal	5222655
CIE _{Lab}	69.42, -3.77, -47.37
CIE _{LCh}	69, 47.521, 265.445
Yxy	39.9329, 0.2078, 0.2255
Android (android.graphics.Color)	4283412735 (0xFF4FB0FF)
YUV	156.0030, 48.8055, -67.5316
Hunter-Lab	63.1925, -6.6383, -49.9425

Details

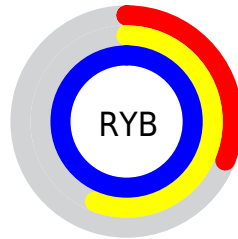
The XYZ color **36.7998, 39.9329, 100.3760** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **54.8802, 46.2817, 13.4401**, and the grayscale version is **31.4190, 33.0552, 35.9972**.

A 20% lighter version of the original color is **58.3030, 70.3916, 105.1218**, and **17.4007, 18.4925, 56.0784** is the 20% darker color. If you saturate the color by 10%, you get **32.9203, 34.7410, 99.5783**, and if you desaturate by 10%, it is **41.6841, 45.9250, 101.2752**.

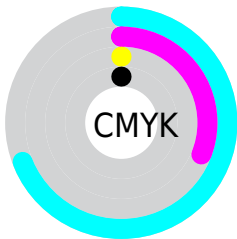
Distribution



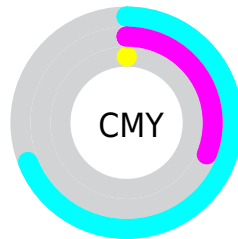
- Red (31%)
- Green (69%)
- Blue (100%)



- Red (31%)
- Yellow (56%)
- Blue (100%)



- Cyan (69%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7998, 39.9329, 100.3760 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 36.7998, 39.9329, 100.3760 by changing the saturation by 10% instead.

■ 36.7998, 39.9329,
100.3760

■ 36.7998, 39.9329,
100.3760

323.8136,
345.8407, 582.6545

■ 25.2255, 27.4862,
75.9960

■ 69.5806, 75.0613,
163.7302

■ 16.3748, 17.9387,
55.9226

■ 91.5178, 98.5119,
203.5414

■ 9.8823, 10.9060,
39.7373

■ 117.6400,
126.3992, 249.3334

■ 5.3826, 6.0037,
27.0215

■ 148.3126,
159.1076, 301.5248

■ 2.5105, 2.8473,
17.3568

183.9009,
197.0216, 360.5340

■ 0.9006, 1.0525,
10.3246

224.7702,

■ 0.0000, 0.0000,

240.5255, 426.7797

5.5063

271.2860,
290.0037, 500.6803

■ 0.0000, 0.0000,
2.4834

■ 0.0000, 0.0000,
0.8313

■ 36.7998, 39.9329,
100.3760

■ 36.7998, 39.9329,
100.3760

■ 32.9203, 34.7410,
99.5783

■ 41.6841, 45.9250,
101.2752

■ 29.9383, 30.2852,
98.8754

■ 47.6570, 52.7653,
102.2807

■ 27.7043, 26.4819,
98.2591

■ 54.7970, 60.5013,
103.3975

■ 27.5064, 26.1329,
98.2021

■ 63.1738, 69.1751,
104.6303

■ 72.8512, 78.8258,
105.9830

■ 83.8885, 89.4897,
107.4596

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



30.2149, 39.9329, 88.1697



36.7998, 39.9329, 100.3760



44.6255, 39.9329, 93.6340

Triad

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



36.7998, 39.9329, 100.3760



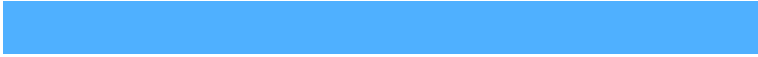
52.8320, 39.9329, 27.7884



27.0928, 39.9329, 23.7103

Complementary

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



36.7998, 39.9329, 100.3760



54.8802, 46.2817, 13.4401

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.



31.9847, 39.9329, 15.4727



36.7998, 39.9329, 100.3760



46.9156, 39.9329, 17.2127

Square

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



36.7998, 39.9329, 100.3760



54.5700, 39.9329, 46.9091



39.1342, 39.9329, 13.5729



25.1095, 39.9329, 40.2224

Rectangle

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



36.7998, 39.9329, 100.3760



49.4195, 39.9329, 80.1977



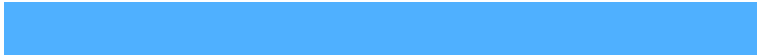
39.1342, 39.9329, 13.5729



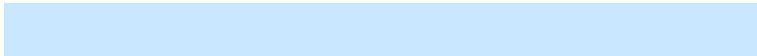
28.4167, 39.9329, 20.1317

Sweetspot

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



36.8011, 39.9342, 100.3762



70.8239, 76.8307, 105.7047



44.9248, 75.5585, 43.3473



14.5745, 15.8650, 22.5440



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.



36.8011, 39.9342, 100.3762



31.6308, 32.8807, 99.2872



24.9947, 16.3213, 96.4407



17.8330, 19.0376, 22.9847



14.5241, 13.9577, 51.3632



1.5233, 1.5773, 5.0374

Inverse Universe

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



51.8735, 29.9883, 44.1296



48.4613, 25.5512, 35.6326



74.7824, 86.0861, 20.0742



18.4283, 18.1547, 20.8728



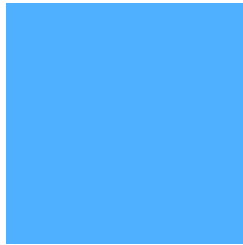
24.1193, 12.1370, 14.5444



2.4035, 1.2038, 1.7062

Previews

White Background



This preview shows how the XYZ color 36.7998, 39.9329, 100.3760 looks on a white background.

Color Contrast Check

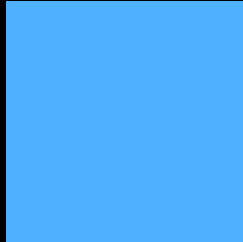
Large Text (above 18pt) WCAG AA × Fail

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 36.7998, 39.9329, 100.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

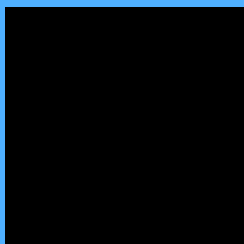
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

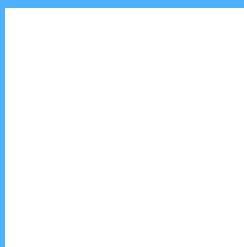
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7998, 39.9329, 100.3760

Background



This preview shows how black text looks on a background with the XYZ color 36.7998, 39.9329, 100.3760.

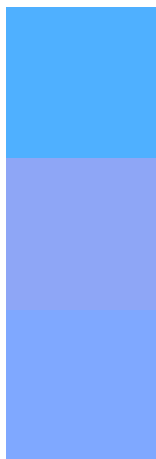


This preview shows how white text looks on a background with the XYZ color 36.7998, 39.9329,

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

36.7998, 39.9329, 100.3760

Protanopia

41.4261, 39.6770, 92.6638

Deuteranopia

40.8050, 39.7373, 100.1271



Tritanopia

29.0946, 39.8332, 62.0322

Trichromacy



Original Color

36.7998, 39.9329, 100.3760

Protanomaly

39.0814, 39.5109, 95.1891

Deuteranomaly

39.0433, 39.6608, 100.2052

Tritanomaly

31.3004, 39.4606, 74.3736

Monochromacy



Original Color

36.7998, 39.9329, 100.3760

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5137, 34.5894, 54.8846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7998, 39.9329, 100.3760 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(79, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 176, 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(79, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.7998, 39.9329, 100.3760 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(79, 176, 255) }
```


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

```
.border{ border-color:rgb(79, 176, 255) }
```

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

Here you see how a box with a 4 pixel rgb(79, 176, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7998, 39.9329, 100.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 176, 255) }
```

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

```
.background{ background-color: rgb(79, 176,  
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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