

Converting Colors

XYZ(35.1318, 36.8999, 99.8785)

Have a look what the booklet for
XYZ(35.1318, 36.8999, 99.8785)
contains.

XYZ(35.1132, 36.8030, 99.8608)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.1132, 36.8030,
99.8608)**

Conversions

Conversions Part 1

Format	Color
Hex	4DA8FF
RGB	77, 168, 255
RGB Percent	30%, 66%, 100%
CMY	0.6980, 0.3412, 0.0000
CMYK	0.70, 0.34, 0.00, 0.00
HSL	209°, 100%, 65%
HSV	209°, 70%, 100%
XYZ	35.1132, 36.8030, 99.8608
YIQ	150.7090, -82.1630, 7.7650

Conversions

Conversions Part 2

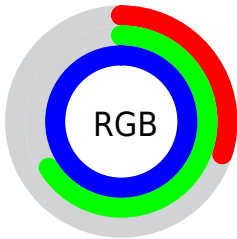
Format	Color
RYB	77, 137, 255
Decimal	5089535
CIELab	67.13, 0.45, -50.99
CIElCh	67, 50.992, 270.510
Yxy	36.8030, 0.2044, 0.2142
Android (android.graphics.Color)	4283279615 (0xFF4DA8FF)
YUV	150.7090, 51.4155, -64.6428
Hunter-Lab	60.6655, -2.8487, -55.1308

Details

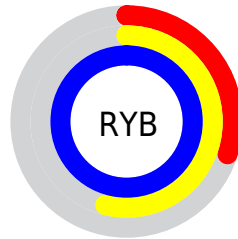
The XYZ color **35.1132, 36.8030, 99.8608** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **55.8572, 48.3505, 13.4120**, and the grayscale version is **29.1056, 30.6214, 33.3467**.

A 20% lighter version of the original color is **55.9393, 65.9246, 104.3842**, and **16.4384, 16.5680, 55.7576** is the 20% darker color. If you saturate the color by 10%, you get **31.2522, 31.5592, 99.0521**, and if you desaturate by 10%, it is **40.0031, 42.9057, 100.7810**.

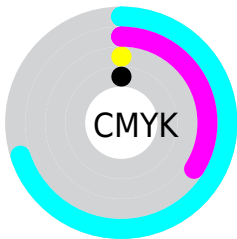
Distribution



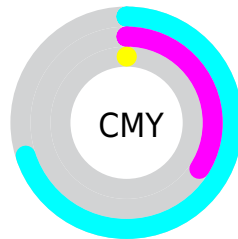
- Red (30%)
- Green (66%)
- Blue (100%)



- Red (30%)
- Yellow (54%)
- Blue (100%)



- Cyan (70%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1132, 36.8030, 99.8608 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 35.1132, 36.8030, 99.8608 by changing the saturation by 10% instead.


 35.1132, 36.8030,
99.8608


 35.1132, 36.8030,
99.8608


316.5670,
332.4568, 580.9892


 23.9170, 25.0550,
75.5681


 66.9940, 70.2697,
163.0161


 15.3965, 16.1180,
55.5739


 88.4092, 92.7572,
202.7157

 9.1862, 9.6077,
39.4597


 113.9616,
119.5933, 248.3880

 4.9209, 5.1396,
26.8069

 144.0164,
151.1624, 300.4516

 2.2352, 2.3294,
17.1971

178.9390,
187.8489, 359.3250

 0.7612, 0.7892,
10.2117

219.0947,

 0.0000, 0.0000,

230.0372, 425.4266

5.4321

264.8489,
278.1117, 499.1752

■ 0.0000, 0.0000,
2.4398

■ 0.0000, 0.0000,
0.8080

■ 35.1132, 36.8030,
99.8608

■ 35.1132, 36.8030,
99.8608

■ 31.2522, 31.5592,
99.0521

■ 40.0031, 42.9057,
100.7810

■ 28.3098, 27.1068,
98.3478

■ 46.0083, 49.9190,
101.8182

■ 26.1203, 23.3512,
97.7383

■ 53.2094, 57.8935,
102.9779

■ 26.0805, 23.2810,
97.7268

■ 61.6777, 66.8743,
104.2650

■ 71.4789, 76.9028,
105.6841

■ 82.6735, 88.0182,
107.2396

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.



28.1314, 36.8030, 90.0206



35.1132, 36.8030, 99.8608



43.1230, 36.8030, 89.3694

Triad

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



35.1132, 36.8030, 99.8608



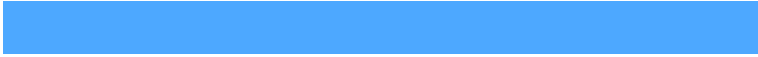
49.4886, 36.8030, 22.0442



23.5246, 36.8030, 22.4897

Complementary

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



35.1132, 36.8030, 99.8608



55.8572, 48.3505, 13.4120

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.



27.9329, 36.8030, 13.3644



35.1132, 36.8030, 99.8608



42.8589, 36.8030, 13.1822

Square

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



35.1132, 36.8030, 99.8608



52.1397, 36.8030, 39.6928



34.8474, 36.8030, 10.7147



22.0709, 36.8030, 40.4540

Rectangle

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



35.1132, 36.8030, 99.8608



47.8175, 36.8030, 73.8900



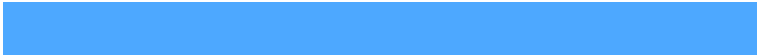
34.8474, 36.8030, 10.7147



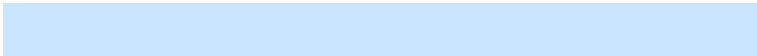
24.6744, 36.8030, 18.5625

Sweetspot

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



35.1145, 36.8042, 99.8609



70.2296, 75.6420, 105.5066



45.4359, 75.7440, 46.8942



14.4333, 15.5826, 22.4970



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.



35.1145, 36.8042, 99.8609



29.9111, 29.5965, 98.7439



23.9786, 14.5324, 96.1490



17.7708, 18.9133, 22.9639



13.7777, 12.4649, 51.1144



1.4509, 1.4324, 5.0133

Inverse Universe

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



50.9627, 29.3966, 40.0347



47.5554, 25.0438, 31.3092



77.4009, 91.4379, 20.5932



18.3970, 18.1421, 20.7076



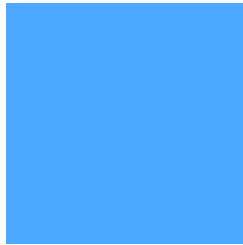
23.7425, 11.9863, 12.5605



2.3669, 1.1891, 1.5137

Previews

White Background



This preview shows how the XYZ color 35.1132, 36.8030, 99.8608 looks on a white background.

Color Contrast Check

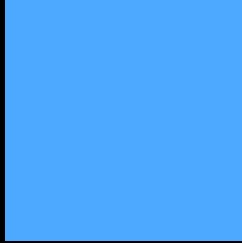
Large Text (above 18pt) WCAG AA × Fail

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 35.1132, 36.8030, 99.8608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

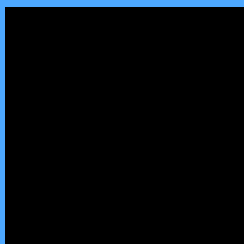
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

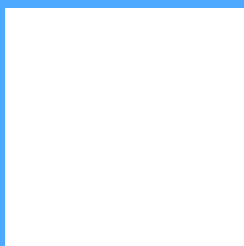
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1132, 36.8030, 99.8608

Background



This preview shows how black text looks on a background with the XYZ color 35.1132, 36.8030, 99.8608.



This preview shows how white text looks on a background with the XYZ color 35.1132, 36.8030,

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

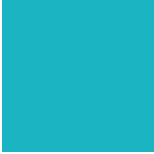
35.1132, 36.8030, 99.8608

Protanopia

38.7015, 36.3989, 93.7928

Deuteranopia

37.6524, 36.5054, 99.6695



Tritanopia

26.5976, 36.8023, 57.3315

Trichromacy



Original Color

35.1132, 36.8030, 99.8608

Protanomaly

36.8885, 36.1852, 96.3070

Deuteranomaly

36.4710, 36.4236, 99.7160

Tritanomaly

29.1319, 36.6183, 71.1783

Monochromacy



Original Color

35.1132, 36.8030, 99.8608

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5545, 32.0732, 52.7772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1132, 36.8030, 99.8608 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(77, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 168, 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(77, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 168, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.1132, 36.8030, 99.8608 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(77, 168, 255) }
```


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

```
.border{ border-color:rgb(77, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 168,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1132, 36.8030, 99.8608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 168, 255) }
```

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

```
.background{ background-color: rgb(77, 168,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor