

Converting Colors

XYZ(39.7911, 39.1554,
120.4274)

Have a look what the booklet for
XYZ(39.7911, 39.1554, 120.4274)
contains.

XYZ(35.8052, 37.4349, 99.9463)	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(35.8052, 37.4349,
99.9463)**

Conversions

Conversions Part 1

Format	Color
Hex	53A9FF
RGB	83, 169, 255
RGB Percent	33%, 66%, 100%
CMY	0.6745, 0.3372, 0.0000
CMYK	0.67, 0.34, 0.00, 0.00
HSL	210°, 100%, 66%
HSV	210°, 67%, 100%
XYZ	35.8052, 37.4349, 99.9463
YIQ	153.0900, -78.8620, 8.5140

Conversions

Conversions Part 2

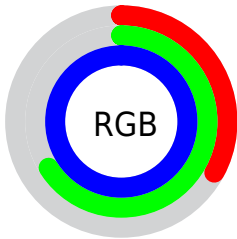
Format	Color
R _{YB}	83, 140, 255
Decimal	5483007
CIE Lab	67.60, 0.76, -50.23
CIE LCh	68, 50.236, 270.862
Yxy	37.4349, 0.2067, 0.2162
Android (android.graphics.Color)	4283673087 (0xFF53A9FF)
YUV	153.0900, 50.2416, -61.4689
Hunter-Lab	61.1841, -2.6131, -54.0234

Details

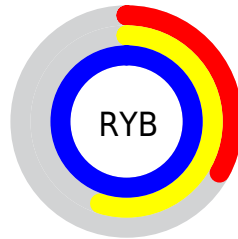
The XYZ color **35.8052, 37.4349, 99.9463** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **56.9912, 50.2636, 14.8837**, and the grayscale version is **30.1319, 31.7011, 34.5225**.

A 20% lighter version of the original color is **56.9184, 66.8272, 104.5068**, and **16.5543, 16.7998, 55.7963** is the 20% darker color. If you saturate the color by 10%, you get **31.6973, 31.9663, 99.1072**, and if you desaturate by 10%, it is **40.9738, 43.7948, 100.9014**.

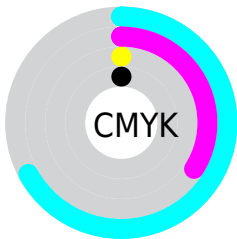
Distribution



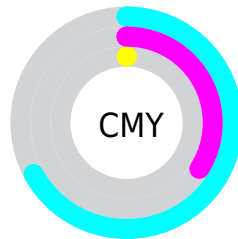
- Red (33%)
- Green (66%)
- Blue (100%)



- Red (33%)
- Yellow (55%)
- Blue (100%)



- Cyan (67%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8052, 37.4349, 99.9463 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 35.8052, 37.4349, 99.9463 by changing the saturation by 10% instead.

35.8052, 37.4349,
99.9463

35.8052, 37.4349,
99.9463

319.5544,
335.1896, 581.2657

24.4532, 25.5444,
75.6391

68.0571, 71.2412,
163.1346

15.7967, 16.4831,
55.6317

89.6878, 93.9257,
202.8528

9.4703, 9.8667,
39.5057

115.4753,
120.9770, 248.5450

5.1088, 5.3106,
26.8425

145.7852,
152.7796, 300.6298

2.3466, 2.4307,
17.2236

180.9826,
189.7177, 359.5257

0.8184, 0.8416,
10.2304

221.4331,

0.0000, 0.0000,

232.1758, 425.6513

5.4444

267.5019,
280.5383, 499.4251

■ 0.0000, 0.0000,
2.4470

■ 0.0000, 0.0000,
0.8119

■ 35.8052, 37.4349,
99.9463

■ 35.8052, 37.4349,
99.9463

■ 31.6973, 31.9663,
99.1072

■ 40.9738, 43.7948,
100.9014

■ 28.5438, 27.3229,
98.3772

■ 47.2870, 51.0969,
101.9781

■ 26.2143, 23.4277,
97.7481

■ 54.8237, 59.3916,
103.1820

■ 25.7035, 22.5270,
97.6012

■ 63.6542, 68.7239,
104.5178

■ 73.8431, 79.1354,
105.9904

■ 85.4507, 90.6652,
107.6041

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.



28.8160, 37.4349, 90.4652



35.8052, 37.4349, 99.9463



43.7730, 37.4349, 89.3781

Triad

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



35.8052, 37.4349, 99.9463



49.9438, 37.4349, 22.5743



24.1017, 37.4349, 23.3319

Complementary

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



35.8052, 37.4349, 99.9463



56.9912, 50.2636, 14.8837

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.



28.4802, 37.4349, 14.0308



35.8052, 37.4349, 99.9463



43.3291, 37.4349, 13.7181

Square

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



35.8052, 37.4349, 99.9463



52.6299, 37.4349, 40.1221



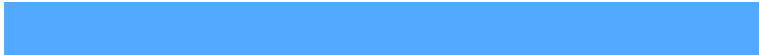
35.3572, 37.4349, 11.2727



22.6795, 37.4349, 41.4051

Rectangle

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



35.8052, 37.4349, 99.9463



48.4156, 37.4349, 74.0103



35.3572, 37.4349, 11.2727



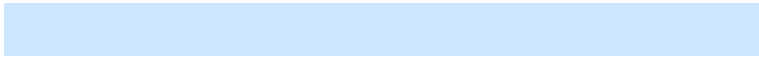
25.2419, 37.4349, 19.3445

Sweetspot

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



35.8065, 37.4361, 99.9464



71.1094, 76.3726, 105.6013



46.4901, 76.2242, 49.8010



14.5988, 15.7137, 22.5136



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.



35.8065, 37.4361, 99.9464



30.4733, 30.2255, 98.8357



24.7122, 15.2475, 96.2483



17.7534, 18.8784, 22.9581



13.5799, 12.0695, 51.0485



1.4314, 1.3936, 5.0068

Inverse Universe

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



51.4956, 30.3127, 40.6739



47.9601, 25.6688, 32.0130



78.5617, 93.4047, 22.0739



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0350



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 35.8052, 37.4349, 99.9463 looks on a white background.

Color Contrast Check

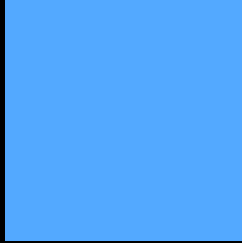
Large Text (above 18pt) WCAG AA × Fail

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 35.8052, 37.4349, 99.9463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

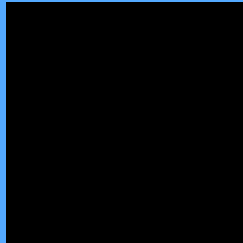
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

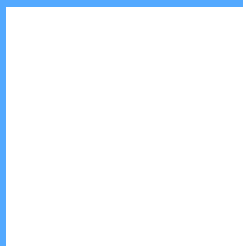
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8052, 37.4349, 99.9463

Background



This preview shows how black text looks on a background with the XYZ color 35.8052, 37.4349, 99.9463.

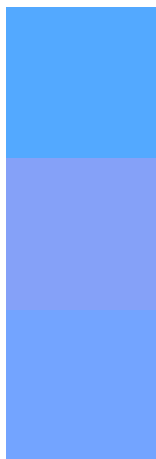


This preview shows how white text looks on a background with the XYZ color 35.8052, 37.4349,

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

35.8052, 37.4349, 99.9463

Protanopia

39.3610, 37.2536, 93.9231

Deuteranopia

38.3957, 37.4158, 99.8060



Tritanopia

27.4839, 37.5469, 58.0233

Trichromacy



Original Color

35.8052, 37.4349, 99.9463

Protanomaly

37.7583, 37.1608, 96.4495

Deuteranomaly

37.2797, 37.3760, 99.8572

Tritanomaly

29.9914, 37.3536, 71.2749

Monochromacy



Original Color

35.8052, 37.4349, 99.9463

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.5945, 33.1032, 53.4922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8052, 37.4349, 99.9463 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(83, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.8052, 37.4349, 99.9463 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(83, 169, 255) }
```


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

```
.border{ border-color:rgb(83, 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(83, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8052, 37.4349, 99.9463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 169, 255) }
```

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

```
.background{ background-color: rgb(83, 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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