

Converting Colors

XYZ(35.7243, 37.8252,
100.0259)

Have a look what the booklet for
XYZ(35.7243, 37.8252, 100.0259)
contains.

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Color

**XYZ(35.8374, 38.0081,
100.0552)**

Conversions

Conversions Part 1

Format	Color
Hex	4FABFF
RGB	79, 171, 255
RGB Percent	31%, 67%, 100%
CMY	0.6902, 0.3294, 0.0000
CMYK	0.69, 0.33, 0.00, 0.00
HSL	209°, 100%, 65%
HSV	209°, 69%, 100%
XYZ	35.8374, 38.0081, 100.0552
YIQ	153.0680, -81.7960, 6.6200

Conversions

Conversions Part 2

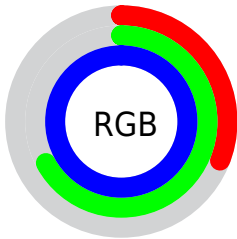
Format	Color
R _Y B	79, 139, 255
Decimal	5221375
CIE Lab	68.03, -0.97, -49.57
CIE LCh	68, 49.578, 268.884
Yxy	38.0081, 0.2061, 0.2186
Android (android.graphics.Color)	4283411455 (0xFF4FABFF)
YUV	153.0680, 50.2525, -64.9576
Hunter-Lab	61.6507, -4.1271, -53.0684

Details

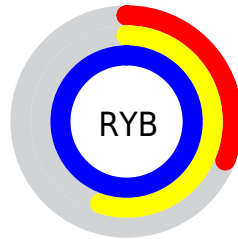
The XYZ color **35.8374, 38.0081, 100.0552** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **55.7506, 48.0226, 13.7303**, and the grayscale version is **30.1235, 31.6923, 34.5129**.

A 20% lighter version of the original color is **56.9234, 67.6325, 104.6619**, and **16.7899, 17.2709, 55.8748** is the 20% darker color. If you saturate the color by 10%, you get **31.9143, 32.7290, 99.2430**, and if you desaturate by 10%, it is **40.7877, 44.1321, 100.9764**.

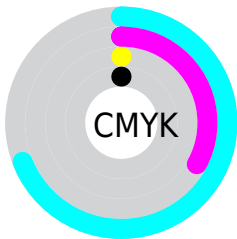
Distribution



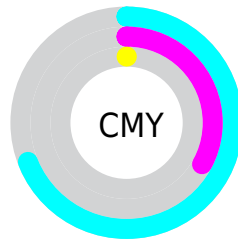
- Red (31%)
- Green (67%)
- Blue (100%)



- Red (31%)
- Yellow (55%)
- Blue (100%)



- Cyan (69%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8374, 38.0081, 100.0552 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 35.8374, 38.0081, 100.0552 by changing the saturation by 10% instead.

■ 35.8374, 38.0081,
100.0552

■ 35.8374, 38.0081,
100.0552

319.6929,
337.6547, 581.6178

■ 24.4782, 25.9890,
75.7295

■ 68.1065, 72.1206,
163.2856

■ 15.8154, 16.8154,
55.7054

■ 89.7472, 94.9827,
203.0273

■ 9.4836, 10.1030,
39.5644

■ 115.5456,
122.2279, 248.7448

■ 5.1176, 5.4673,
26.8878

■ 145.8673,
154.2407, 300.8567

■ 2.3519, 2.5240,
17.2573

181.0775,
191.4053, 359.7813

■ 0.8210, 0.8886,
10.2542

221.5416,

■ 0.0000, 0.0000,

234.1063, 425.9374

5.4600

267.6249,
282.7280, 499.7434

■ 0.0000, 0.0000,
2.4562

■ 0.0000, 0.0000,
0.8168

■ 35.8374, 38.0081,
100.0552

■ 35.8374, 38.0081,
100.0552

■ 31.9143, 32.7290,
99.2430

■ 40.7877, 44.1321,
100.9764

■ 28.9101, 28.2289,
98.5327

■ 46.8500, 51.1513,
102.0117

■ 26.6743, 24.4219,
97.9157

■ 54.1038, 59.1148,
103.1665

■ 26.4773, 24.0746,
97.8591

■ 62.6196, 68.0668,
104.4455

■ 72.4622, 78.0478,
105.8533

■ 83.6916, 89.0959,
107.3939

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.



28.9886, 38.0081, 89.4561



35.8374, 38.0081, 100.0552



43.7758, 38.0081, 90.8466

Triad

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



35.8374, 38.0081, 100.0552



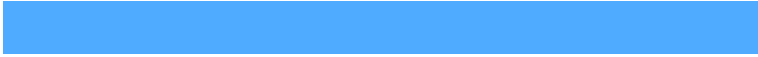
50.7344, 38.0081, 24.0670



24.8550, 38.0081, 23.0822

Complementary

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



35.8374, 38.0081, 100.0552



55.7506, 48.0226, 13.7303

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.



29.4229, 38.0081, 14.2165



35.8374, 38.0081, 100.0552



44.3471, 38.0081, 14.6263

Square

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



35.8374, 38.0081, 100.0552



53.0806, 38.0081, 42.2174



36.4153, 38.0081, 11.7819



23.2305, 38.0081, 40.5624

Rectangle

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



35.8374, 38.0081, 100.0552



48.4944, 38.0081, 76.0821



36.4153, 38.0081, 11.7819



26.0620, 38.0081, 19.2611

Sweetspot

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



35.8387, 38.0093, 100.0554



70.4000, 75.9829, 105.5634



45.4308, 75.7609, 46.0117



14.4738, 15.6635, 22.5105



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.



35.8387, 38.0093, 100.0554



30.6134, 30.8461, 98.9481



24.5143, 15.3606, 96.2806



17.7887, 18.9490, 22.9699



13.9856, 12.8807, 51.1837



1.4712, 1.4730, 5.0201

Inverse Universe

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



51.3877, 29.7940, 41.5714



47.9478, 25.3458, 32.9286



76.5687, 89.6587, 20.6696



18.4060, 18.1457, 20.7551



23.8475, 12.0283, 13.1132



2.3772, 1.1932, 1.5677

Previews

White Background



This preview shows how the XYZ color 35.8374, 38.0081, 100.0552 looks on a white background.

Color Contrast Check

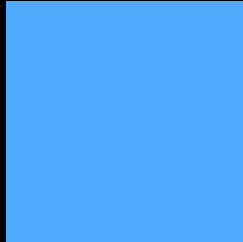
Large Text (above 18pt) WCAG AA × Fail

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 35.8374, 38.0081, 100.0552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

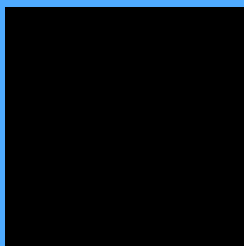
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

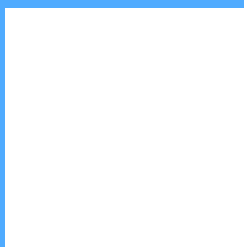
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8374, 38.0081, 100.0552

Background



This preview shows how black text looks on a background with the XYZ color 35.8374, 38.0081, 100.0552.



This preview shows how white text looks on a background with the XYZ color 35.8374, 38.0081,

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

35.8374, 38.0081, 100.0552

Protanopia

39.7005, 37.7070, 93.1814

Deuteranopia

38.9763, 37.9818, 99.8847



Tritanopia

27.4991, 37.8444, 58.6787

Trichromacy



Original Color

35.8374, 38.0081, 100.0552

Protanomaly

37.7807, 37.4572, 95.6812

Deuteranomaly

37.5776, 37.8005, 99.9234

Tritanomaly

29.9405, 37.6066, 72.0104

Monochromacy



Original Color

35.8374, 38.0081, 100.0552

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.4693, 33.2949, 53.5359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8374, 38.0081, 100.0552 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, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 171, 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, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.8374, 38.0081, 100.0552 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, 171, 255) }
```


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

```
.border{ border-color:rgb(79, 171, 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, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8374, 38.0081, 100.0552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 171, 255) }
```

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

```
.background{ background-color: rgb(79, 171,  
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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