

Converting Colors

XYZ(38.8072, 40.0678,
106.6905)

Have a look what the booklet for
XYZ(38.8072, 40.0678, 106.6905)
contains.

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Color

**XYZ(37.5078, 39.4343,
100.2425)**

Conversions

Conversions Part 1

Format	Color
Hex	5DADFF
RGB	93, 173, 255
RGB Percent	36%, 68%, 100%
CMY	0.6353, 0.3216, 0.0000
CMYK	0.64, 0.32, 0.00, 0.00
HSL	210°, 100%, 68%
HSV	210°, 64%, 100%
XYZ	37.5078, 39.4343, 100.2425
YIQ	158.4280, -74.0020, 8.5420

Conversions

Conversions Part 2

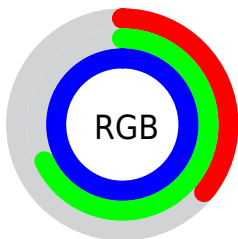
Format	Color
R _Y B	93, 147, 255
Decimal	6139391
CIE Lab	69.06, 0.09, -47.90
CIE LCh	69, 47.900, 270.104
Yxy	39.4343, 0.2117, 0.2226
Android (android.graphics.Color)	4284329471 (0xFF5DADFF)
YUV	158.4280, 47.6100, -57.3804
Hunter-Lab	62.7967, -3.2782, -50.6870

Details

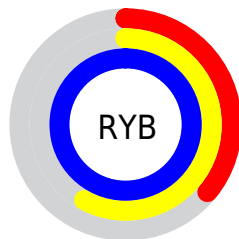
The XYZ color **37.5078, 39.4343, 100.2425** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **58.5476, 52.7132, 17.4470**, and the grayscale version is **32.5099, 34.2029, 37.2470**.

A 20% lighter version of the original color is **59.5037, 69.7747, 104.9394**, and **17.0304, 17.7520, 55.9550** is the 20% darker color. If you saturate the color by 10%, you get **32.9870, 33.6057, 99.3557**, and if you desaturate by 10%, it is **43.1305, 46.1872, 101.2495**.

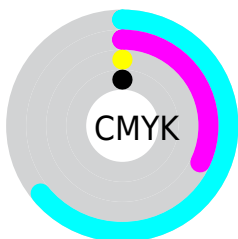
Distribution



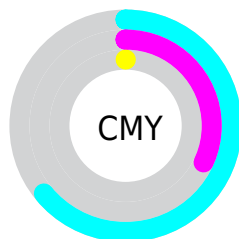
- Red (36%)
- Green (68%)
- Blue (100%)



- Red (36%)
- Yellow (58%)
- Blue (100%)



- Cyan (64%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5078, 39.4343, 100.2425 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 37.5078, 39.4343, 100.2425 by changing the saturation by 10% instead.

■ 37.5078, 39.4343,
100.2425

■ 37.5078, 39.4343,
100.2425

326.8213,
343.7334, 582.2232

■ 25.7764, 27.0978,
75.8851

■ 70.6619, 74.3013,
163.5452

■ 16.7882, 17.6467,
55.8322

■ 92.8152, 97.6006,
203.3275

■ 10.1780, 10.6966,
39.6653

■ 119.1733,
125.3228, 249.0885

■ 5.5803, 5.8632,
26.9659

■ 150.1014,
157.8525, 301.2468

■ 2.6298, 2.7621,
17.3154

185.9649,
195.5741, 360.2209

■ 0.9612, 1.0088,
10.2953

227.1291,

■ 0.0000, 0.0000,

238.8718, 426.4293

5.4870

273.9595,
288.1301, 500.2905

■ 0.0000, 0.0000,
2.4721

■ 0.0000, 0.0000,
0.8253

■ 37.5078, 39.4343,
100.2425

■ 37.5078, 39.4343,
100.2425

■ 32.9870, 33.6057,
99.3557

■ 43.1305, 46.1872,
101.2495

■ 29.4680, 28.6379,
98.5823

■ 49.9347, 53.9131,
102.3822

■ 26.8361, 24.4620,
97.9150

■ 57.9966, 62.6613,
103.6458

■ 25.5009, 22.1217,
97.5336

■ 67.3843, 72.4757,
105.0454

■ 78.1607, 83.3975,
106.5856

■ 90.3846, 95.4651,
108.2706

95.0500, 100.0000,
108.9000

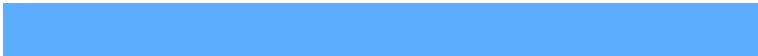
Harmonies

Analogous

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



30.6259, 39.4343, 90.7099



37.5078, 39.4343, 100.2425



45.3423, 39.4343, 90.5842

Triad

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



37.5078, 39.4343, 100.2425



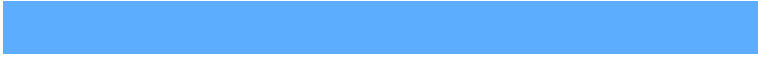
51.6796, 39.4343, 25.1041



26.1341, 39.4343, 25.1968

Complementary

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



37.5078, 39.4343, 100.2425



58.5476, 52.7132, 17.4470

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.



30.5855, 39.4343, 15.8569



37.5078, 39.4343, 100.2425



45.2899, 39.4343, 15.8176

Square

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



37.5078, 39.4343, 100.2425



54.1732, 39.4343, 42.8609



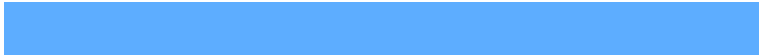
37.4545, 39.4343, 13.1117



24.6271, 39.4343, 43.0137

Rectangle

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



37.5078, 39.4343, 100.2425



49.9184, 39.4343, 75.9677



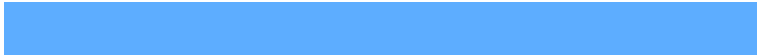
37.4545, 39.4343, 13.1117



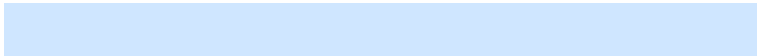
27.3030, 39.4343, 21.2117

Sweetspot

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



37.5091, 39.4356, 100.2426



72.0858, 77.2791, 105.7248



47.9156, 76.9038, 52.3653



14.7862, 15.8854, 22.5368



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.



37.5091, 39.4356, 100.2426



32.0270, 32.2988, 99.1540



26.4803, 17.3780, 96.5664



17.7438, 18.8592, 22.9549



13.4736, 11.8567, 51.0130



1.4209, 1.3726, 5.0033

Inverse Universe

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



52.6982, 32.1075, 42.9561



48.9968, 27.0498, 34.4925



78.9762, 93.5705, 24.2565



18.3833, 18.1366, 20.6358



23.5890, 11.9249, 11.7523



2.3518, 1.1831, 1.4342

Previews

White Background



This preview shows how the XYZ color 37.5078, 39.4343, 100.2425 looks on a white background.

Color Contrast Check

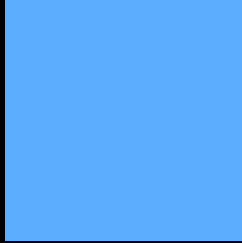
Large Text (above 18pt) WCAG AA × Fail

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 37.5078, 39.4343, 100.2425 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

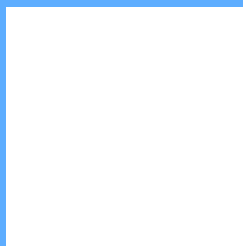
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5078, 39.4343, 100.2425

Background



This preview shows how black text looks on a background with the XYZ color 37.5078, 39.4343, 100.2425.



This preview shows how white text looks on a background with the XYZ color 37.5078, 39.4343,

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

37.5078, 39.4343, 100.2425

Protanopia

41.0459, 39.1765, 94.2054

Deuteranopia

40.3262, 39.2174, 100.0520



Tritanopia

29.5636, 39.4945, 60.0979

Trichromacy



Original Color

37.5078, 39.4343, 100.2425

Protanomaly

39.4413, 39.1079, 96.7366

Deuteranomaly

39.0480, 39.1066, 100.0980

Tritanomaly

32.0091, 39.2528, 72.9073

Monochromacy



Original Color

37.5078, 39.4343, 100.2425

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.5543, 35.1130, 55.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5078, 39.4343, 100.2425 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(93, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 173, 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(93, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.5078, 39.4343, 100.2425 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(93, 173, 255) }
```


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

```
.border{ border-color:rgb(93, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5078, 39.4343, 100.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 173, 255) }
```

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

```
.background{ background-color: rgb(93, 173,  
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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