

Converting Colors

$Y_{xy}(39.7038, 0.2137, 0.2231)$

Have a look what the booklet for
Yxy(39.7038, 0.2137, 0.2231)
contains.

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Color

Yxy(39.7038, 0.2137, 0.2231)

Conversions

Conversions Part 1

Format	Color
Hex	62ADFF
RGB	98, 173, 255
RGB Percent	38%, 68%, 100%
CMY	0.6154, 0.3216, 0.0002
CMYK	0.62, 0.32, 0.00, 0.00
HSL	211°, 100%, 69%
HSV	211°, 62%, 100%
XYZ	38.0309, 39.7038, 100.2294
YIQ	159.9230, -71.0220, 9.6020

Conversions

Conversions Part 2

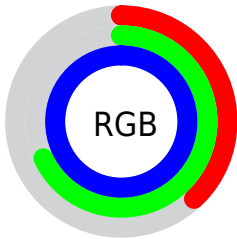
Format	Color
R _Y B	98, 149, 255
Decimal	6467071
CIE Lab	69.26, 0.95, -47.56
CIE LCh	69, 47.568, 271.145
Yxy	39.7038, 0.2137, 0.2231
Android (android.graphics.Color)	4284657151 (0xFF62ADFF)
YUV	159.9230, 46.8730, -54.3065
Hunter-Lab	63.0110, -2.5336, -50.2029

Details

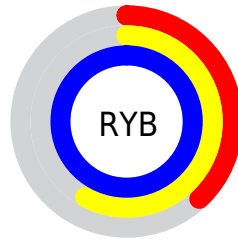
The Yxy color **39.7038, 0.2137, 0.2231** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **54.7949, 0.4475, 0.4103**, and the grayscale version is **34.9305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1804, 0.2561, 0.2981**, and **17.7907, 0.1883, 0.1958** is the 20% darker color. If you saturate the color by 10%, you get **33.6479, 0.2002, 0.2024**, and if you desaturate by 10%, it is **46.7234, 0.2289, 0.2435**.

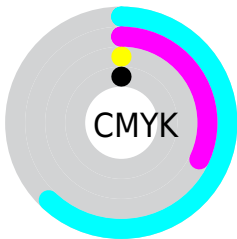
Distribution



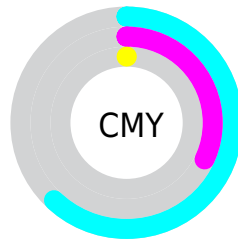
- Red (38%)
- Green (68%)
- Blue (100%)



- Red (38%)
- Yellow (58%)
- Blue (100%)



- Cyan (62%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7038, 0.2137, 0.2231 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 Yxy color 39.7038, 0.2137, 0.2231 by changing the saturation by 10% instead.


 39.7038, 0.2137,
0.2231


 39.7038, 0.2137,
0.2231


344.8736, 0.2619,
0.2746

 27.3077, 0.2024,
0.2111


 74.7123, 0.2307,
0.2412


 17.8044, 0.1884,
0.1963


 98.0934, 0.2373,
0.2482

 10.8097, 0.1708,
0.1776


 125.9050, 0.2429,
0.2542

 5.9390, 0.1483,
0.1538

 158.5314, 0.2478,
0.2594

 2.8080, 0.1191,
0.1230

196.3571, 0.2520,
0.2639

 1.0323, 0.0817,
0.0837

239.7664, 0.2557,

 0.0000, 0.0000,

0.2679

0.0000

289.1438, 0.2590,
0.2714

■ 39.7038, 0.2137,
0.2231

■ 39.7038, 0.2137,
0.2231

■ 33.6479, 0.2002,
0.2024

■ 46.7234, 0.2289,
0.2435

■ 28.4921, 0.1888,
0.1820

■ 54.7554, 0.2450,
0.2630

■ 24.1687, 0.1799,
0.1625

■ 63.8496, 0.2617,
0.2812

■ 21.0760, 0.1742,
0.1470

■ 74.0506, 0.2784,
0.2981

■ 85.4001, 0.2947,
0.3134

97.9373, 0.3104,
0.3270

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



39.7038, 0.1917, 0.2448



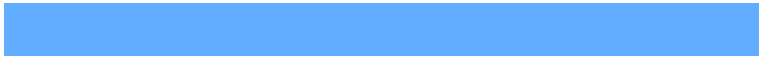
39.7038, 0.2137, 0.2231



39.7038, 0.2611, 0.2262

Triad

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



39.7038, 0.2137, 0.2231



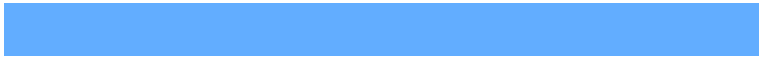
39.7038, 0.4444, 0.3412



39.7038, 0.2860, 0.4316

Complementary

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



39.7038, 0.2137, 0.2231



54.7949, 0.4475, 0.4103

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.



39.7038, 0.3536, 0.4579



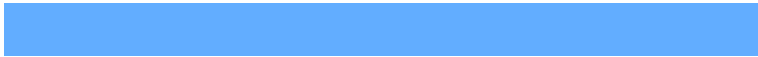
39.7038, 0.2137, 0.2231



39.7038, 0.4487, 0.3936

Square

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



39.7038, 0.2137, 0.2231



39.7038, 0.3984, 0.2909



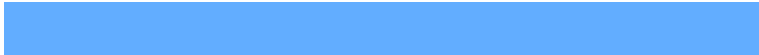
39.7038, 0.4136, 0.4386



39.7038, 0.2291, 0.3653

Rectangle

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



39.7038, 0.2137, 0.2231



39.7038, 0.3045, 0.2402



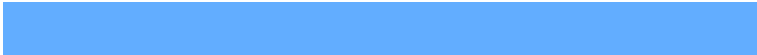
39.7038, 0.4136, 0.4386



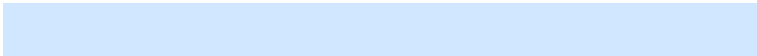
39.7038, 0.3082, 0.4460

Sweetspot

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



39.7052, 0.2137, 0.2231



77.9526, 0.2842, 0.3037



77.3538, 0.2699, 0.4265



15.9992, 0.2794, 0.2991



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7052, 0.2137, 0.2231



32.3046, 0.1971, 0.1973



18.7177, 0.1938, 0.1307



18.8089, 0.2979, 0.3163



11.3115, 0.1750, 0.1500



1.3185, 0.1809, 0.1711

Inverse Universe

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



33.0200, 0.4111, 0.2554



27.6059, 0.4428, 0.2482



93.1351, 0.3975, 0.4733



18.1316, 0.3219, 0.3177



11.8699, 0.5060, 0.2561



1.1776, 0.4793, 0.2414

Previews

White Background



This preview shows how the Yxy color 39.7038, 0.2137, 0.2231 looks on a white background.

Color Contrast Check

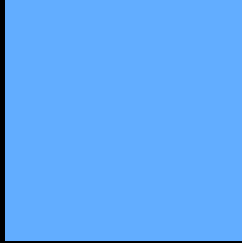
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 39.7038, 0.2137, 0.2231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

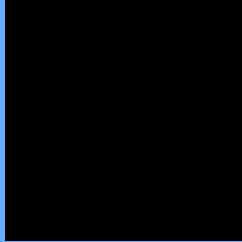
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

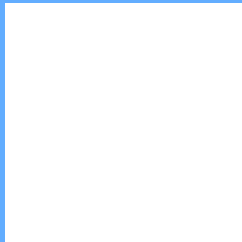
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7038, 0.2137, 0.2231

Background



This preview shows how black text looks on a background with the Yxy color 39.7038, 0.2137, 0.2231.



This preview shows how white text looks on a background with the Yxy color 39.7038, 0.2137, 0.2231.

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

39.7038, 0.2137, 0.2231

Protanopia

39.3253, 0.2354, 0.2238

Deuteranopia

39.6609, 0.2253, 0.2198



Tritanopia

39.7441, 0.2313, 0.3059

Trichromacy



Original Color

39.7038, 0.2137, 0.2231

Protanomaly

39.3303, 0.2266, 0.2235

Deuteranomaly

39.6825, 0.2208, 0.2211

Tritanomaly

39.5063, 0.2242, 0.2726

Monochromacy



Original Color

39.7038, 0.2137, 0.2231

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.1688, 0.2655, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7038, 0.2137, 0.2231 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(98, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 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(98, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.7038, 0.2137, 0.2231 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(98, 173, 255) }
```

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

```
.border{ border-color:rgb(98, 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(98, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7038, 0.2137, 0.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 173, 255) }
```

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

```
.background{ background-color: rgb(98, 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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