

Converting Colors

$Y_{xy}(39.5677, 0.2313, 0.2179)$

Have a look what the booklet for
Yxy(39.5677, 0.2313, 0.2179)
contains.

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Color

Yxy(39.5335, 0.2313, 0.2178)

Conversions

Conversions Part 1

Format	Color
Hex	8AA5FF
RGB	138, 165, 255
RGB Percent	54%, 65%, 100%
CMY	0.4587, 0.3529, 0.0001
CMYK	0.46, 0.35, 0.00, 0.00
HSL	226°, 100%, 77%
HSV	226°, 46%, 100%
XYZ	41.9839, 39.5335, 99.9954
YIQ	167.1870, -44.9820, 22.2660

Conversions

Conversions Part 2

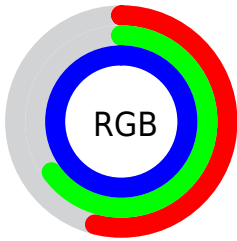
Format	Color
RYB	138, 160, 255
Decimal	9086463
CIELab	69.14, 13.82, -47.62
CIELCh	69, 49.583, 286.189
Yxy	39.5335, 0.2313, 0.2178
Android (android.graphics.Color)	4287276543 (0xFF8AA5FF)
YUV	167.1870, 43.2918, -25.5970
Hunter-Lab	62.8757, 9.1572, -50.2799

Details

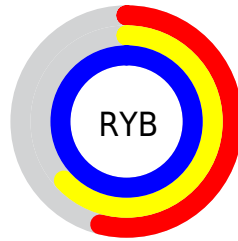
The Yxy color **39.5335, 0.2313, 0.2178** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **78.5668, 0.3924, 0.4191**, and the grayscale version is **38.5435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1422, 0.2753, 0.2908**, and **17.8173, 0.2095, 0.1912** is the 20% darker color. If you saturate the color by 10%, you get **31.0676, 0.2123, 0.1885**, and if you desaturate by 10%, it is **49.5977, 0.2506, 0.2460**.

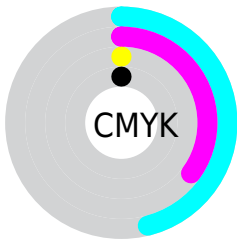
Distribution



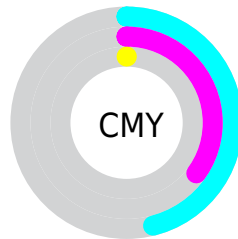
- Red (54%)
- Green (65%)
- Blue (100%)



- Red (54%)
- Yellow (63%)
- Blue (100%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5335, 0.2313, 0.2178 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 39.5335, 0.2313, 0.2178 by changing the saturation by 10% instead.

■ 39.5335, 0.2313,
0.2178

■ 39.5335, 0.2313,
0.2178

344.1534, 0.2718,
0.2708

■ 27.1750, 0.2216,
0.2057

■ 74.4526, 0.2458,
0.2363

■ 17.7047, 0.2094,
0.1908

■ 97.7820, 0.2513,
0.2435

■ 10.7382, 0.1939,
0.1722

125.5372, 0.2560,
0.2496

■ 5.8911, 0.1736,
0.1486

158.1026, 0.2600,
0.2550

■ 2.7790, 0.1464,
0.1185

195.8625, 0.2635,
0.2597

■ 1.0174, 0.1096,
0.0805

239.2013, 0.2666,

■ 0.0000, 0.0433,

0.2638

0.0000

288.5035, 0.2693,
0.2675

0.0000, 0.0000,
0.0000

39.5335, 0.2313,
0.2178

39.5335, 0.2313,
0.2178

31.0676, 0.2123,
0.1885

49.5977, 0.2506,
0.2460

24.1102, 0.1945,
0.1595

61.3348, 0.2694,
0.2723

18.5686, 0.1791,
0.1321

74.8197, 0.2872,
0.2962

14.3371, 0.1669,
0.1081

90.1214, 0.3037,
0.3176

11.2924, 0.1587,
0.0888

99.9978, 0.3127,
0.3290

■ 10.3279, 0.1562,
0.0823

Harmonies

Analogous

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



39.5335, 0.1953, 0.2267



39.5335, 0.2313, 0.2178



39.5335, 0.2921, 0.2325

Triad

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



39.5335, 0.2313, 0.2178



39.5335, 0.4580, 0.3685



39.5335, 0.2524, 0.4050

Complementary

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



39.5335, 0.2313, 0.2178



78.5668, 0.3924, 0.4191

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.



39.5335, 0.3193, 0.4570



39.5335, 0.2313, 0.2178



39.5335, 0.4400, 0.4209

Square

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



39.5335, 0.2313, 0.2178



39.5335, 0.4310, 0.3145



39.5335, 0.3881, 0.4581



39.5335, 0.2052, 0.3276

Rectangle

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



39.5335, 0.2313, 0.2178



39.5335, 0.3417, 0.2534



39.5335, 0.3881, 0.4581



39.5335, 0.2733, 0.4271

Sweetspot

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



39.5349, 0.2313, 0.2178



77.5590, 0.2904, 0.3004



82.4866, 0.2633, 0.3608



15.9298, 0.2867, 0.2956



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.



39.5349, 0.2313, 0.2178



31.7493, 0.2139, 0.1911



33.8593, 0.2471, 0.1921



18.0577, 0.2979, 0.3102



5.5834, 0.1569, 0.0847



0.7008, 0.1625, 0.1050

Inverse Universe

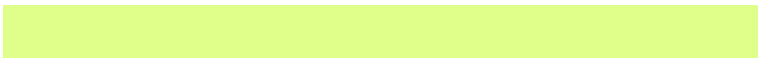
The Inverse Universe completely reimagines the original color for something new.



42.1537, 0.4080, 0.3011



35.5745, 0.4387, 0.2966



89.1456, 0.3592, 0.4510



18.0557, 0.3258, 0.3235



11.2916, 0.5994, 0.3076



1.1153, 0.5685, 0.2905

Previews

White Background



This preview shows how the Yxy color 39.5335, 0.2313, 0.2178 looks on a white background.

Color Contrast Check

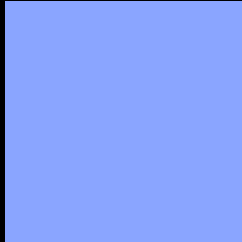
Large Text (above 18pt) WCAG AA × Fail

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 39.5335, 0.2313, 0.2178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

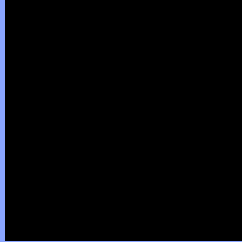
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5335, 0.2313, 0.2178

Background



This preview shows how black text looks on a background with the Yxy color 39.5335, 0.2313, 0.2178.



This preview shows how white text looks on a background with the Yxy color 39.5335, 0.2313, 0.2178.

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

39.5335, 0.2313, 0.2178

Protanopia

39.4486, 0.2307, 0.2176

Deuteranopia

39.7502, 0.2268, 0.2210



Tritanopia

39.6396, 0.2580, 0.3083

Trichromacy



Original Color

39.5335, 0.2313, 0.2178

Protanomaly

39.4486, 0.2307, 0.2176

Deuteranomaly

39.6987, 0.2288, 0.2203

Tritanomaly

39.3055, 0.2476, 0.2706

Monochromacy



Original Color

39.5335, 0.2313, 0.2178

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.4639, 0.2777, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5335, 0.2313, 0.2178 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(138, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 165, 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(138, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.5335, 0.2313, 0.2178 is called "border". The border property can be set on classes, ids or directly on the HTML element.

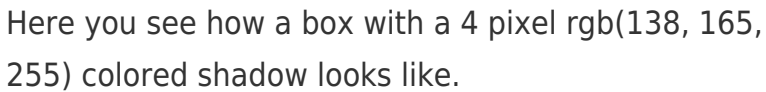
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 165, 255) }
```

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

```
.border{ border-color:rgb(138, 165, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5335, 0.2313, 0.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 165, 255) }
```

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

```
.background{ background-color: rgb(138,  
165, 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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