

Converting Colors

$Y_{xy}(40.7688, 0.2344, 0.2066)$

Have a look what the booklet for
Yxy(40.7688, 0.2344, 0.2066)
contains.

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Color

Yxy(39.9307, 0.2405, 0.2168)

Conversions

Conversions Part 1

Format	Color
Hex	9AA2FF
RGB	154, 162, 255
RGB Percent	60%, 64%, 100%
CMY	0.3960, 0.3647, 0.0001
CMYK	0.40, 0.36, 0.00, 0.00
HSL	235°, 100%, 80%
HSV	235°, 40%, 100%
XYZ	44.2958, 39.9307, 99.9557
YIQ	170.2100, -34.6210, 27.2270

Conversions

Conversions Part 2

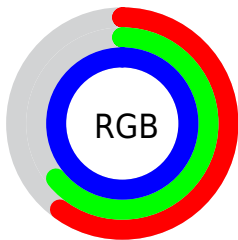
Format	Color
RYB	154, 161, 255
Decimal	10134271
CIELab	69.42, 19.46, -47.10
CIElCh	69, 50.965, 292.452
Yxy	39.9307, 0.2405, 0.2168
Android (android.graphics.Color)	4288324351 (0xFF9AA2FF)
YUV	170.2100, 41.8015, -14.2162
Hunter-Lab	63.1907, 14.5422, -49.5519

Details

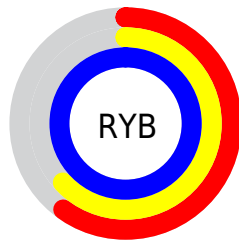
The Yxy color **39.9307, 0.2405, 0.2168** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.1060, 0.3750, 0.4207**, and the grayscale version is **40.1117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6946, 0.2846, 0.2885**, and **18.0428, 0.2207, 0.1904** is the 20% darker color. If you saturate the color by 10%, you get **30.1750, 0.2195, 0.1830**, and if you desaturate by 10%, it is **51.7652, 0.2610, 0.2492**.

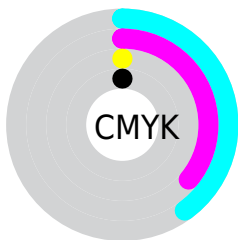
Distribution



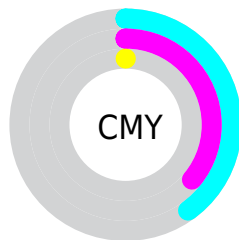
- Red (60%)
- Green (64%)
- Blue (100%)



- Red (60%)
- Yellow (63%)
- Blue (100%)



- Cyan (40%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9307, 0.2405, 0.2168 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 39.9307, 0.2405, 0.2168 by changing the saturation by 10% instead.

 39.9307, 0.2405,
0.2168


 39.9307, 0.2405,
0.2168


345.8314, 0.2767,
0.2698

 27.4845, 0.2317,
0.2048


 75.0580, 0.2535,
0.2352

 17.9374, 0.2206,
0.1900


 98.5079, 0.2585,
0.2424

 10.9051, 0.2064,
0.1717


126.3944, 0.2627,
0.2485

 6.0030, 0.1875,
0.1485

159.1021, 0.2663,
0.2539

 2.8469, 0.1619,
0.1189

197.0152, 0.2694,
0.2586

 1.0523, 0.1265,
0.0815

240.5182, 0.2722,

 0.0000, 0.0707,

0.2628

0.0000

289.9955, 0.2746,
0.2665

0.0000, 0.0000,
0.0000

39.9307, 0.2405,
0.2168

39.9307, 0.2405,
0.2168

30.1750, 0.2195,
0.1830

51.7652, 0.2610,
0.2492

22.3738, 0.1992,
0.1497

65.7846, 0.2802,
0.2792

16.3959, 0.1810,
0.1190

82.0929, 0.2977,
0.3062

12.0924, 0.1664,
0.0934

99.9982, 0.3127,
0.3290

9.2907, 0.1565,
0.0749

■ 7.7653, 0.1512,
0.0641

■ 7.7238, 0.1511,
0.0638

Harmonies

Analogous

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



39.9307, 0.1983, 0.2204



39.9307, 0.2405, 0.2168



39.9307, 0.3069, 0.2363

Triad

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



39.9307, 0.2405, 0.2168



39.9307, 0.4612, 0.3805



39.9307, 0.2387, 0.3910

Complementary

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



39.9307, 0.2405, 0.2168



90.1060, 0.3750, 0.4207

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.



39.9307, 0.3040, 0.4534



39.9307, 0.2405, 0.2168



39.9307, 0.4339, 0.4325

Square

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



39.9307, 0.2405, 0.2168



39.9307, 0.4435, 0.3251



39.9307, 0.3756, 0.4651



39.9307, 0.1963, 0.3115

Rectangle

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



39.9307, 0.2405, 0.2168



39.9307, 0.3585, 0.2601



39.9307, 0.3756, 0.4651



39.9307, 0.2586, 0.4160

Sweetspot

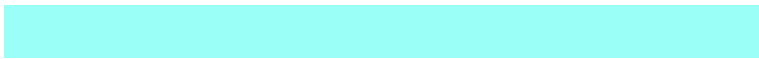
The Sweet Spot groups the original color and five complimentary colors.



39.9322, 0.2405, 0.2168



77.9701, 0.2937, 0.3000



85.0625, 0.2617, 0.3383



16.2201, 0.2914, 0.2965



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.



39.9322, 0.2405, 0.2168



31.6015, 0.2228, 0.1884



42.0847, 0.2695, 0.2165



17.6083, 0.2978, 0.3064



4.1175, 0.1514, 0.0649



0.4767, 0.1544, 0.0756

Inverse Universe

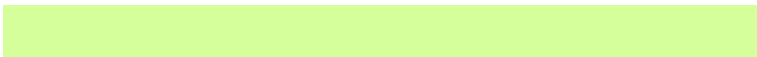
The Inverse Universe completely reimagines the original color for something new.



46.9826, 0.4051, 0.3209



39.8870, 0.4362, 0.3194



87.9684, 0.3435, 0.4379



18.0104, 0.3282, 0.3272



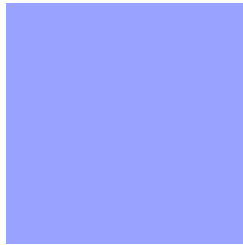
11.1436, 0.6318, 0.3254



1.0927, 0.6140, 0.3156

Previews

White Background



This preview shows how the Yxy color 39.9307, 0.2405, 0.2168 looks on a white background.

Color Contrast Check

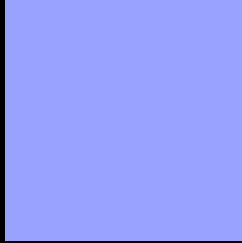
Large Text (above 18pt) WCAG AA × Fail

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 39.9307, 0.2405, 0.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

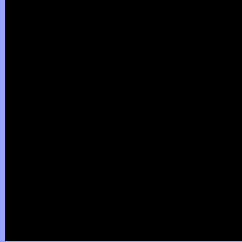
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9307, 0.2405, 0.2168

Background



This preview shows how black text looks on a background with the Yxy color 39.9307, 0.2405, 0.2168.



This preview shows how white text looks on a background with the Yxy color 39.9307, 0.2405, 0.2168.

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

39.9307, 0.2405, 0.2168

Protanopia

39.8957, 0.2315, 0.2190

Deuteranopia

39.9863, 0.2285, 0.2215



Tritanopia

39.7373, 0.2719, 0.3088

Trichromacy



Original Color

39.9307, 0.2405, 0.2168

Protanomaly

40.0596, 0.2348, 0.2187

Deuteranomaly

39.9172, 0.2326, 0.2201

Tritanomaly

39.4828, 0.2596, 0.2705

Monochromacy



Original Color

39.9307, 0.2405, 0.2168

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.7470, 0.2828, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9307, 0.2405, 0.2168 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(154, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 162, 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(154, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.9307, 0.2405, 0.2168 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(154, 162, 255) }
```

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

```
.border{ border-color:rgb(154, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9307, 0.2405, 0.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 162, 255) }
```

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

```
.background{ background-color: rgb(154,  
162, 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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