

Converting Colors

$Y_{xy}(39.5695, 0.2428, 0.2149)$

Have a look what the booklet for
Yxy(39.5695, 0.2428, 0.2149)
contains.

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Color

Yxy(39.6307, 0.2427, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	9EA0FF
RGB	158, 160, 255
RGB Percent	62%, 63%, 100%
CMY	0.3805, 0.3725, 0.0000
CMYK	0.38, 0.37, 0.00, 0.00
HSL	239°, 100%, 81%
HSV	239°, 38%, 100%
XYZ	44.7158, 39.6307, 99.8966
YIQ	170.2320, -31.6870, 29.1210

Conversions

Conversions Part 2

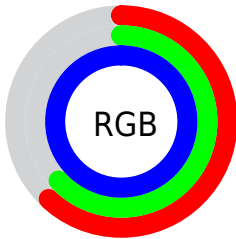
Format	Color
RYB	158, 160, 255
Decimal	10395903
CIELab	69.21, 21.61, -47.43
CIELCh	69, 52.123, 294.494
Yxy	39.6307, 0.2427, 0.2151
Android (android.graphics.Color)	4288585983 (0xFF9EA0FF)
YUV	170.2320, 41.7906, -10.7275
Hunter-Lab	62.9529, 16.6219, -50.0171

Details

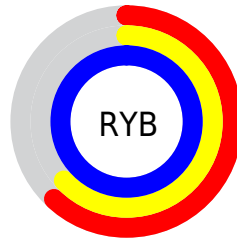
The Yxy color **39.6307, 0.2427, 0.2151** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.9479, 0.3707, 0.4221**, and the grayscale version is **40.1185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2680, 0.2871, 0.2867**, and **17.8393, 0.2232, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **29.5055, 0.2211, 0.1797**, and if you desaturate by 10%, it is **52.0327, 0.2636, 0.2492**.

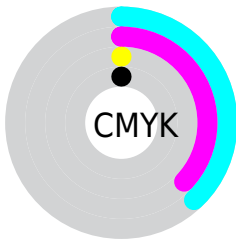
Distribution



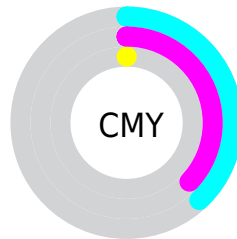
- Red (62%)
- Green (63%)
- Blue (100%)



- Red (62%)
- Yellow (63%)
- Blue (100%)



- Cyan (38%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6307, 0.2427, 0.2151 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 39.6307, 0.2427, 0.2151 by changing the saturation by 10% instead.


 39.6307, 0.2427,
0.2151


 39.6307, 0.2427,
0.2151

344.5646, 0.2780,
0.2688

 27.2507, 0.2341,
0.2029


 74.6008, 0.2554,
0.2337

 17.7616, 0.2232,
0.1881


 97.9598, 0.2602,
0.2410

 10.7790, 0.2092,
0.1696


125.7472, 0.2643,
0.2472

 5.9184, 0.1906,
0.1463

158.3474, 0.2679,
0.2526

 2.7955, 0.1653,
0.1166

196.1448, 0.2709,
0.2574

 1.0259, 0.1300,
0.0794

239.5239, 0.2736,


 0.0000, 0.0755,


0.2616


0.0000


288.8690, 0.2759,
0.2654


 0.0000, 0.0000,
0.0000


 39.6307, 0.2427,
0.2151


 39.6307, 0.2427,
0.2151


 29.5055, 0.2211,
0.1797


 52.0327, 0.2636,
0.2492

 21.5147, 0.2001,
0.1450


 66.8336, 0.2829,
0.2806

 15.5068, 0.1812,
0.1136

 84.1520, 0.3002,
0.3088

 11.3085, 0.1661,
0.0882

99.9998, 0.3127,
0.3290

 8.7168, 0.1559,
0.0708

■ 7.4741, 0.1509,
0.0619

■ 7.3363, 0.1503,
0.0609

Harmonies

Analogous

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



39.6307, 0.1979, 0.2169



39.6307, 0.2427, 0.2151



39.6307, 0.3119, 0.2364

Triad

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



39.6307, 0.2427, 0.2151



39.6307, 0.4641, 0.3851



39.6307, 0.2330, 0.3871

Complementary

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



39.6307, 0.2427, 0.2151



93.9479, 0.3707, 0.4221

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.



39.6307, 0.2986, 0.4540



39.6307, 0.2427, 0.2151



39.6307, 0.4333, 0.4377

Square

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



39.6307, 0.2427, 0.2151



39.6307, 0.4495, 0.3285



39.6307, 0.3719, 0.4694



39.6307, 0.1919, 0.3057

Rectangle

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



39.6307, 0.2427, 0.2151



39.6307, 0.3650, 0.2614



39.6307, 0.3719, 0.4694



39.6307, 0.2528, 0.4134

Sweetspot

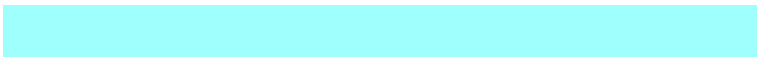
The Sweet Spot groups the original color and five complimentary colors.



39.6322, 0.2427, 0.2151



78.7772, 0.2953, 0.3009



85.7970, 0.2611, 0.3324



16.3488, 0.2930, 0.2971



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.



39.6322, 0.2427, 0.2151



31.4037, 0.2256, 0.1870



44.3949, 0.2753, 0.2224



17.4390, 0.2978, 0.3049



3.8600, 0.1504, 0.0613



0.3965, 0.1512, 0.0643

Inverse Universe

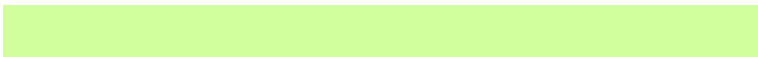
The Inverse Universe completely reimagines the original color for something new.



48.2414, 0.4055, 0.3271



41.2495, 0.4360, 0.3268



87.6455, 0.3392, 0.4345



17.9933, 0.3291, 0.3285



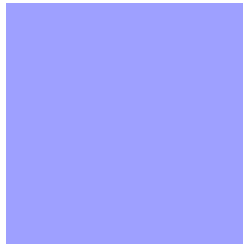
11.1176, 0.6379, 0.3288



1.0846, 0.6329, 0.3260

Previews

White Background



This preview shows how the Yxy color 39.6307, 0.2427, 0.2151 looks on a white background.

Color Contrast Check

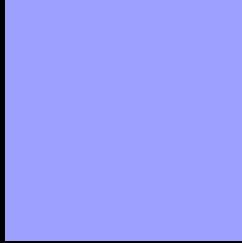
Large Text (above 18pt) WCAG AA × Fail

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 39.6307, 0.2427, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

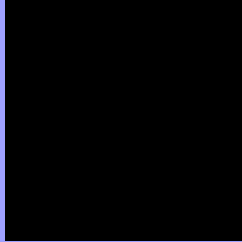
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6307, 0.2427, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 39.6307, 0.2427, 0.2151.



This preview shows how white text looks on a background with the Yxy color 39.6307, 0.2427, 0.2151.

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

39.6307, 0.2427, 0.2151

Protanopia

39.8108, 0.2309, 0.2189

Deuteranopia

39.8429, 0.2284, 0.2223



Tritanopia

39.6537, 0.2755, 0.3089

Trichromacy



Original Color

39.6307, 0.2427, 0.2151

Protanomaly

39.7907, 0.2352, 0.2177

Deuteranomaly

39.6415, 0.2329, 0.2190

Tritanomaly

39.4253, 0.2630, 0.2708

Monochromacy



Original Color

39.6307, 0.2427, 0.2151

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.5965, 0.2844, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6307, 0.2427, 0.2151 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(158, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 160, 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(158, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.6307, 0.2427, 0.2151 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(158, 160, 255) }
```

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

```
.border{ border-color:rgb(158, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6307, 0.2427, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 160, 255) }
```

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

```
.background{ background-color: rgb(158,  
160, 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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