

Converting Colors

$Y_{xy}(44.2027, 0.2347, 0.2208)$

Have a look what the booklet for
Yxy(44.2027, 0.2347, 0.2208)
contains.

Yxy(43.4967, 0.2395, 0.2295)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.4967, 0.2395, 0.2295)

Conversions

Conversions Part 1

Format	Color
Hex	95ADFF
RGB	149, 173, 255
RGB Percent	58%, 68%, 100%
CMY	0.4157, 0.3216, 0.0000
CMYK	0.42, 0.32, 0.00, 0.00
HSL	226°, 100%, 79%
HSV	226°, 42%, 100%
XYZ	45.3920, 43.4967, 100.6394
YIQ	175.1720, -40.6260, 20.4140

Conversions

Conversions Part 2

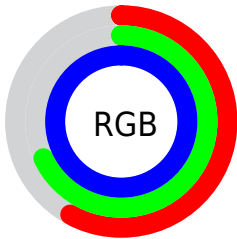
Format	Color
RYB	149, 169, 255
Decimal	9809407
CIELab	71.89, 11.99, -43.28
CIELCh	72, 44.913, 285.479
Yxy	43.4967, 0.2395, 0.2295
Android (android.graphics.Color)	4287999487 (0xFF95ADFF)
YUV	175.1720, 39.3552, -22.9528
Hunter-Lab	65.9520, 7.4379, -44.3071

Details

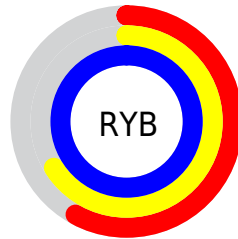
The Yxy color **43.4967, 0.2395, 0.2295** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **80.5842, 0.3842, 0.4115**, and the grayscale version is **42.7708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8286, 0.2821, 0.3002**, and **20.0791, 0.2203, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **34.3392, 0.2202, 0.2004**, and if you desaturate by 10%, it is **54.2950, 0.2587, 0.2572**.

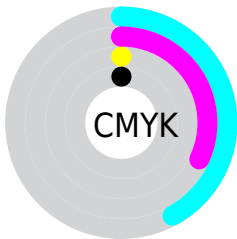
Distribution



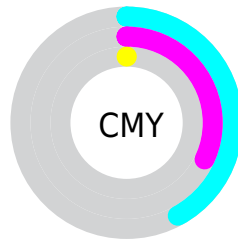
- Red (58%)
- Green (68%)
- Blue (100%)



- Red (58%)
- Yellow (66%)
- Blue (100%)



- Cyan (42%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4967, 0.2395, 0.2295 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 43.4967, 0.2395, 0.2295 by changing the saturation by 10% instead.


 43.4967, 0.2395,
0.2295


 43.4967, 0.2395,
0.2295


360.6505, 0.2755,
0.2767

 30.2750, 0.2309,
0.2187


 80.4599, 0.2523,
0.2460

 20.0474, 0.2201,
0.2053


 104.9701, 0.2573,
0.2524

 12.4295, 0.2063,
0.1886


134.0121, 0.2614,
0.2579

 7.0369, 0.1882,
0.1672

167.9701, 0.2650,
0.2626

 3.4852, 0.1637,
0.1393

207.2285, 0.2682,
0.2668

 1.3900, 0.1299,
0.1027

252.1718, 0.2709,

 0.2093, 0.0787,

0.2705

0.0335


303.1843, 0.2734,
0.2738

 0.0000, 0.0000,
0.0000


 43.4967, 0.2395,
0.2295


 43.4967, 0.2395,
0.2295


 34.3392, 0.2202,
0.2004

 54.2950, 0.2587,
0.2572


 26.7410, 0.2017,
0.1710


 66.8132, 0.2772,
0.2826

 20.6102, 0.1851,
0.1426

 81.1229, 0.2945,
0.3056

 15.8456, 0.1714,
0.1169

 97.2921, 0.3104,
0.3260

 12.3309, 0.1615,
0.0955

100.0000, 0.3127,
0.3290

■ 10.2186, 0.1560,
0.0815

Harmonies

Analogous

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



43.4967, 0.2073, 0.2387



43.4967, 0.2395, 0.2295



43.4967, 0.2935, 0.2421

Triad

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



43.4967, 0.2395, 0.2295



43.4967, 0.4405, 0.3647



43.4967, 0.2613, 0.3964

Complementary

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



43.4967, 0.2395, 0.2295



80.5842, 0.3842, 0.4115

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.



43.4967, 0.3212, 0.4404



43.4967, 0.2395, 0.2295



43.4967, 0.4266, 0.4111

Square

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



43.4967, 0.2395, 0.2295



43.4967, 0.4154, 0.3159



43.4967, 0.3819, 0.4425



43.4967, 0.2181, 0.3302

Rectangle

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



43.4967, 0.2395, 0.2295



43.4967, 0.3370, 0.2608



43.4967, 0.3819, 0.4425



43.4967, 0.2801, 0.4151

Sweetspot

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



43.4961, 0.2395, 0.2295



80.4665, 0.2938, 0.3047



83.6380, 0.2670, 0.3574



16.8030, 0.2916, 0.3018



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.



43.4961, 0.2395, 0.2295



35.6696, 0.2232, 0.2051



38.0942, 0.2546, 0.2064



18.0447, 0.2979, 0.3100



5.5219, 0.1567, 0.0839



0.6931, 0.1622, 0.1040

Inverse Universe

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



45.7726, 0.3955, 0.3041



38.9809, 0.4220, 0.2995



89.9776, 0.3555, 0.4395



18.0544, 0.3259, 0.3236



11.2854, 0.6007, 0.3083



1.1145, 0.5699, 0.2913

Previews

White Background



This preview shows how the Yxy color 43.4967, 0.2395, 0.2295 looks on a white background.

Color Contrast Check

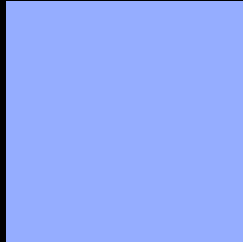
Large Text (above 18pt) WCAG AA × Fail

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 43.4967, 0.2395, 0.2295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

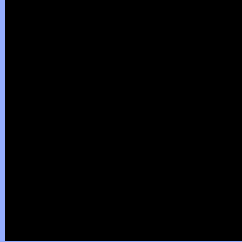
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.4967, 0.2395, 0.2295

Background



This preview shows how black text looks on a background with the Yxy color 43.4967, 0.2395, 0.2295.



This preview shows how white text looks on a background with the Yxy color 43.4967, 0.2395, 0.2295.

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

43.4967, 0.2395, 0.2295

Protanopia

43.4967, 0.2395, 0.2295

Deuteranopia

43.4214, 0.2368, 0.2301



Tritanopia

43.4728, 0.2640, 0.3079

Trichromacy



Original Color

43.4967, 0.2395, 0.2295

Protanomaly

43.4967, 0.2395, 0.2295

Deuteranomaly

43.6031, 0.2379, 0.2303

Tritanomaly

43.2460, 0.2544, 0.2767

Monochromacy



Original Color

43.4967, 0.2395, 0.2295

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.7387, 0.2828, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4967, 0.2395, 0.2295 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(149, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.4967, 0.2395, 0.2295 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(149, 173, 255) }
```

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

```
.border{ border-color:rgb(149, 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(149, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4967, 0.2395, 0.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 173, 255) }
```

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

```
.background{ background-color: rgb(149,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor