

Converting Colors

$Y_{xy}(34.9397, 0.2310, 0.2003)$

Have a look what the booklet for
Yxy(34.9397, 0.2310, 0.2003)
contains.

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Color

Yxy(34.8723, 0.2310, 0.2000)

Conversions

Conversions Part 1

Format	Color
Hex	8F96FF
RGB	143, 150, 255
RGB Percent	56%, 59%, 100%
CMY	0.4394, 0.4117, 0.0000
CMYK	0.44, 0.41, 0.00, 0.00
HSL	236°, 100%, 78%
HSV	236°, 44%, 100%
XYZ	40.2775, 34.8723, 99.2117
YIQ	159.8770, -37.8770, 31.1710

Conversions

Conversions Part 2

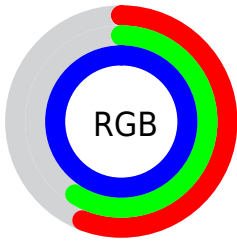
Format	Color
RYB	143, 150, 255
Decimal	9410303
CIELab	65.65, 23.62, -53.12
CIELCh	66, 58.136, 293.975
Yxy	34.8723, 0.2310, 0.2000
Android (android.graphics.Color)	4287600383 (0xFF8F96FF)
YUV	159.8770, 46.8956, -14.8011
Hunter-Lab	59.0528, 18.4053, -58.2733

Details

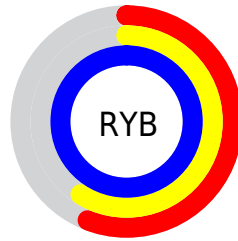
The Yxy color **34.8723, 0.2310, 0.2000** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.3385, 0.3810, 0.4317**, and the grayscale version is **34.8856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8232, 0.2772, 0.2732**, and **14.9322, 0.2075, 0.1684** is the 20% darker color. If you saturate the color by 10%, you get **25.9866, 0.2100, 0.1657**, and if you desaturate by 10%, it is **45.8321, 0.2520, 0.2337**.

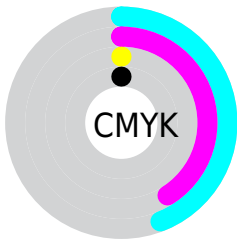
Distribution



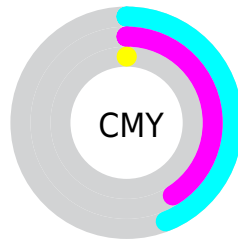
- Red (56%)
- Green (59%)
- Blue (100%)



- Red (56%)
- Yellow (59%)
- Blue (100%)



- Cyan (44%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8723, 0.2310, 0.2000 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 34.8723, 0.2310, 0.2000 by changing the saturation by 10% instead.


 34.8723, 0.2310,
0.2000


 34.8723, 0.2310,
0.2000


324.0043, 0.2726,
0.2610

 23.5645, 0.2208,
0.1862

 67.2879, 0.2461,
0.2211

 15.0109, 0.2080,
0.1695


 89.1645, 0.2517,
0.2294

 8.8270, 0.1915,
0.1489


115.3328, 0.2566,
0.2365

 4.6285, 0.1698,
0.1233

146.1773, 0.2607,
0.2427

 2.0310, 0.1408,
0.0917

182.0823, 0.2643,
0.2481

 0.6254, 0.1021,
0.0525

223.4322, 0.2674,

 0.0000, 0.0218,

0.2529

0.0000

270.6114, 0.2702,
0.2572

0.0000, 0.0000,
0.0000

34.8723, 0.2310,
0.2000

34.8723, 0.2310,
0.2000

25.9866, 0.2100,
0.1657

45.8321, 0.2520,
0.2337

19.0408, 0.1903,
0.1330

58.9817, 0.2720,
0.2654

13.8906, 0.1735,
0.1044

74.4324, 0.2903,
0.2942

10.3700, 0.1609,
0.0822

92.2869, 0.3068,
0.3198

8.2818, 0.1533,
0.0678

99.9997, 0.3127,
0.3290

■ 7.5921, 0.1508,
0.0628

Harmonies

Analogous

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



34.8723, 0.1819, 0.2017



34.8723, 0.2310, 0.2000



34.8723, 0.3094, 0.2235

Triad

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



34.8723, 0.2310, 0.2000



34.8723, 0.4871, 0.3881



34.8723, 0.2212, 0.3987

Complementary

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



34.8723, 0.2310, 0.2000



90.3385, 0.3810, 0.4317

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.



34.8723, 0.2957, 0.4783



34.8723, 0.2310, 0.2000



34.8723, 0.4501, 0.4497

Square

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



34.8723, 0.2310, 0.2000



34.8723, 0.4710, 0.3250



34.8723, 0.3793, 0.4915



34.8723, 0.1755, 0.3016

Rectangle

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



34.8723, 0.2310, 0.2000



34.8723, 0.3712, 0.2510



34.8723, 0.3793, 0.4915



34.8723, 0.2436, 0.4305

Sweetspot

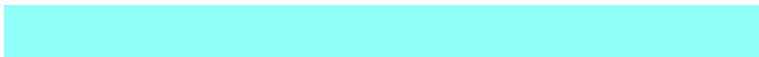
The Sweet Spot groups the original color and five complimentary colors.



34.8735, 0.2310, 0.2000



76.0039, 0.2919, 0.2968



84.1013, 0.2565, 0.3373



15.4839, 0.2881, 0.2907



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.



34.8735, 0.2310, 0.2000



26.7354, 0.2119, 0.1689



37.9948, 0.2649, 0.2034



17.5613, 0.2978, 0.3060



4.0367, 0.1511, 0.0638



0.4545, 0.1535, 0.0725

Inverse Universe

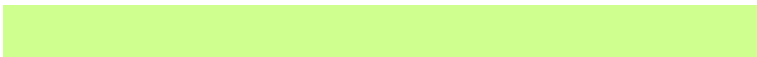
The Inverse Universe completely reimagines the original color for something new.



43.0944, 0.4226, 0.3220



36.2250, 0.4594, 0.3209



86.6851, 0.3449, 0.4511



18.0056, 0.3285, 0.3275



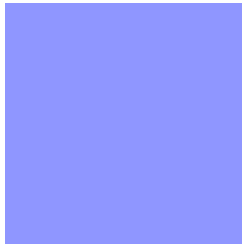
11.1355, 0.6337, 0.3265



1.0904, 0.6191, 0.3184

Previews

White Background



This preview shows how the Yxy color 34.8723, 0.2310, 0.2000 looks on a white background.

Color Contrast Check

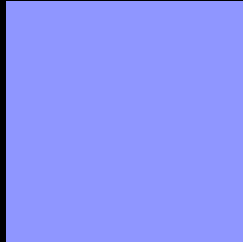
Large Text (above 18pt) WCAG AA × Fail

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 34.8723, 0.2310, 0.2000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

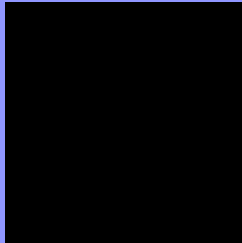
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8723, 0.2310, 0.2000

Background



This preview shows how black text looks on a background with the Yxy color 34.8723, 0.2310, 0.2000.



This preview shows how white text looks on a background with the Yxy color 34.8723, 0.2310, 0.2000.

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

34.8723, 0.2310, 0.2000

Protanopia

35.0619, 0.2196, 0.2035

Deuteranopia

34.9523, 0.2137, 0.2071



Tritanopia

34.7787, 0.2656, 0.3074

Trichromacy



Original Color

34.8723, 0.2310, 0.2000

Protanomaly

34.9983, 0.2235, 0.2023

Deuteranomaly

34.8546, 0.2189, 0.2041

Tritanomaly

34.3924, 0.2515, 0.2618

Monochromacy



Original Color

34.8723, 0.2310, 0.2000

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.5871, 0.2781, 0.2743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8723, 0.2310, 0.2000 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(143, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 150, 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(143, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.8723, 0.2310, 0.2000 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(143, 150, 255) }
```

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

```
.border{ border-color:rgb(143, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8723, 0.2310, 0.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 150, 255) }
```

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

```
.background{ background-color: rgb(143,  
150, 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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