

Converting Colors

$Y_{xy}(48.8710, 0.2216, 0.1889)$

Have a look what the booklet for
Yxy(48.8710, 0.2216, 0.1889)
contains.

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Color

Yxy(44.8630, 0.2459, 0.2323)

Conversions

Conversions Part 1

Format	Color
Hex	9FAEFF
RGB	159, 174, 255
RGB Percent	62%, 68%, 100%
CMY	0.3763, 0.3177, 0.0000
CMYK	0.38, 0.32, 0.00, 0.00
HSL	231°, 100%, 81%
HSV	231°, 38%, 100%
XYZ	47.4895, 44.8630, 100.7728
YIQ	178.7490, -34.9410, 22.0110

Conversions

Conversions Part 2

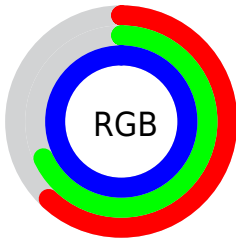
Format	Color
RYB	159, 172, 255
Decimal	10465023
CIELab	72.80, 13.99, -41.80
CIELCh	73, 44.079, 288.505
Yxy	44.8630, 0.2459, 0.2323
Android (android.graphics.Color)	4288655103 (0xFF9FAEFF)
YUV	178.7490, 37.5917, -17.3199
Hunter-Lab	66.9798, 9.3439, -42.3173

Details

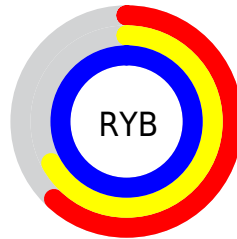
The Yxy color **44.8630, 0.2459, 0.2323** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.1069, 0.3745, 0.4099**, and the grayscale version is **44.7520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8576, 0.2884, 0.3018**, and **20.8798, 0.2277, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **34.8592, 0.2258, 0.2012**, and if you desaturate by 10%, it is **56.7391, 0.2655, 0.2617**.

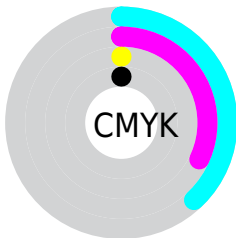
Distribution



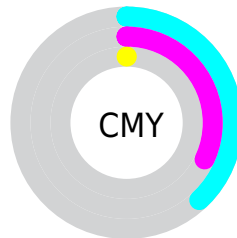
- Red (62%)
- Green (68%)
- Blue (100%)



- Red (62%)
- Yellow (67%)
- Blue (100%)



- Cyan (38%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8630, 0.2459, 0.2323 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 44.8630, 0.2459, 0.2323 by changing the saturation by 10% instead.

■ 44.8630, 0.2459,
0.2323

■ 44.8630, 0.2459,
0.2323

366.2184, 0.2788,
0.2780

■ 31.3495, 0.2380,
0.2219

■ 82.5148, 0.2577,
0.2482

■ 20.8652, 0.2281,
0.2090

■ 107.4219, 0.2621,
0.2544

■ 13.0255, 0.2154,
0.1929

136.8957, 0.2660,
0.2597

■ 7.4461, 0.1987,
0.1723

171.3205, 0.2692,
0.2643

■ 3.7426, 0.1758,
0.1453

211.0808, 0.2721,
0.2683

■ 1.5306, 0.1437,
0.1098

256.5610, 0.2746,

■ 0.3102, 0.0977,

0.2719

0.0476

308.1454, 0.2769,
0.2751

0.0000, 0.0000,
0.0000

44.8630, 0.2459,
0.2323

44.8630, 0.2459,
0.2323

34.8592, 0.2258,
0.2012

56.7391, 0.2655,
0.2617

26.6280, 0.2060,
0.1696

70.5741, 0.2840,
0.2885

20.0651, 0.1879,
0.1391

86.4527, 0.3009,
0.3126

15.0532, 0.1726,
0.1119

100.0000, 0.3127,
0.3290

11.4597, 0.1612,
0.0897

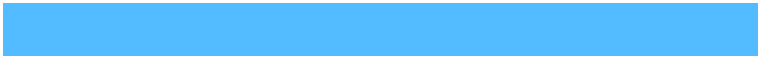
■ 9.1241, 0.1543,
0.0739

■ 8.7212, 0.1531,
0.0710

Harmonies

Analogous

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



44.8630, 0.2120, 0.2392



44.8630, 0.2459, 0.2323



44.8630, 0.3003, 0.2465

Triad

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



44.8630, 0.2459, 0.2323



44.8630, 0.4372, 0.3689



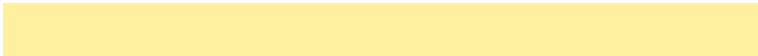
44.8630, 0.2577, 0.3883

Complementary

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



44.8630, 0.2459, 0.2323



86.1069, 0.3745, 0.4099

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.



44.8630, 0.3150, 0.4344



44.8630, 0.2459, 0.2323



44.8630, 0.4204, 0.4132

Square

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



44.8630, 0.2459, 0.2323



44.8630, 0.4166, 0.3211



44.8630, 0.3747, 0.4408



44.8630, 0.2176, 0.3239

Rectangle

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



44.8630, 0.2459, 0.2323



44.8630, 0.3430, 0.2659



44.8630, 0.3747, 0.4408



44.8630, 0.2755, 0.4072

Sweetspot

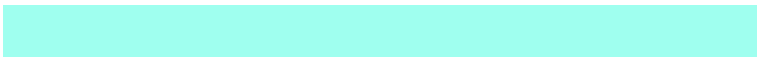
The Sweet Spot groups the original color and five complimentary colors.



44.8640, 0.2459, 0.2323



80.8757, 0.2954, 0.3048



85.1265, 0.2675, 0.3469



16.8442, 0.2931, 0.3016



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.



44.8640, 0.2459, 0.2323



37.3188, 0.2311, 0.2095



43.1064, 0.2661, 0.2208



17.8349, 0.2979, 0.3083



4.6919, 0.1536, 0.0729



0.5831, 0.1583, 0.0900

Inverse Universe

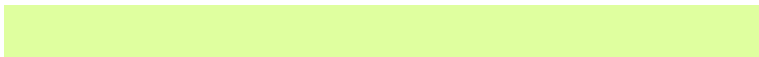
The Inverse Universe completely reimagines the original color for something new.



49.1230, 0.3911, 0.3135



42.5628, 0.4148, 0.3106



89.7140, 0.3475, 0.4303



18.0332, 0.3270, 0.3253



11.2016, 0.6186, 0.3181



1.1034, 0.5912, 0.3031

Previews

White Background



This preview shows how the Yxy color 44.8630, 0.2459, 0.2323 looks on a white background.

Color Contrast Check

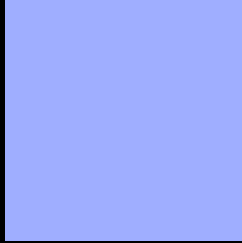
Large Text (above 18pt) WCAG AA × Fail

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 44.8630, 0.2459, 0.2323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

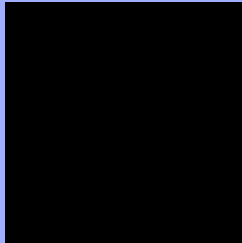
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8630, 0.2459, 0.2323

Background



This preview shows how black text looks on a background with the Yxy color 44.8630, 0.2459, 0.2323.



This preview shows how white text looks on a background with the Yxy color 44.8630, 0.2459, 0.2323.

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

44.8630, 0.2459, 0.2323

Protanopia

45.0430, 0.2425, 0.2339

Deuteranopia

45.0841, 0.2414, 0.2357



Tritanopia

44.9790, 0.2717, 0.3084

Trichromacy



Original Color

44.8630, 0.2459, 0.2323

Protanomaly

44.8485, 0.2436, 0.2329

Deuteranomaly

44.9787, 0.2431, 0.2348

Tritanomaly

44.7944, 0.2619, 0.2780

Monochromacy



Original Color

44.8630, 0.2459, 0.2323

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.7199, 0.2856, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8630, 0.2459, 0.2323 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(159, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 174, 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(159, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.8630, 0.2459, 0.2323 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(159, 174, 255) }
```

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

```
.border{ border-color:rgb(159, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8630, 0.2459, 0.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 174, 255) }
```

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

```
.background{ background-color: rgb(159,  
174, 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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