

Converting Colors

$Y_{xy}(44.7885, 0.2500, 0.2407)$

Have a look what the booklet for
Yxy(44.7885, 0.2500, 0.2407)
contains.

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Color

Yxy(44.8082, 0.2499, 0.2404)

Conversions

Conversions Part 1

Format	Color
Hex	9FAFF8
RGB	159, 175, 248
RGB Percent	62%, 69%, 97%
CMY	0.3763, 0.3138, 0.0274
CMYK	0.36, 0.29, 0.00, 0.03
HSL	229°, 86%, 80%
HSV	229°, 36%, 97%
XYZ	46.5789, 44.8082, 95.0031
YIQ	178.5380, -32.9690, 19.3110

Conversions

Conversions Part 2

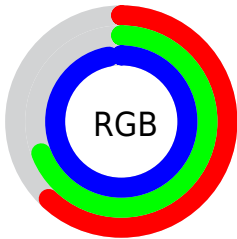
Format	Color
R _Y B	159, 173, 248
Decimal	10465272
CIE Lab	72.77, 11.59, -38.07
CIE LCh	73, 39.795, 286.938
Yxy	44.8082, 0.2499, 0.2404
Android (android.graphics.Color)	4288655352 (0xFF9FAFF8)
YUV	178.5380, 34.2448, -17.1348
Hunter-Lab	66.9389, 7.0646, -37.2901

Details

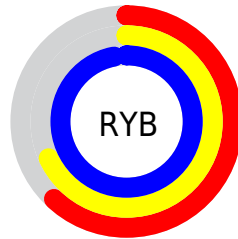
The Yxy color `44.8082, 0.2499, 0.2404` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `80.2131, 0.3721, 0.4041`, and the grayscale version is `44.6540, 0.3127, 0.3290`.

A 20% lighter version of the original color is `78.4126, 0.2884, 0.3029`, and `20.8706, 0.2331, 0.2192` is the 20% darker color. If you saturate the color by 10%, you get `35.1873, 0.2301, 0.2104`, and if you desaturate by 10%, it is `56.1357, 0.2691, 0.2685`.

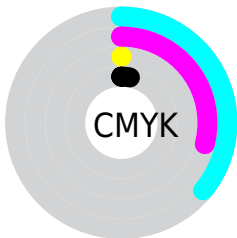
Distribution



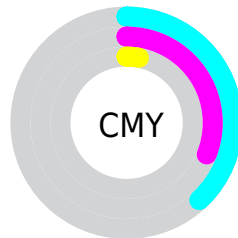
- Red (62%)
- Green (69%)
- Blue (97%)



- Red (62%)
- Yellow (68%)
- Blue (97%)



- Cyan (36%)
- Magenta (29%)
- Yellow (0%)
- Black (3%)



- Cyan (38%)
- Magenta (31%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8082, 0.2499, 0.2404 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 44.8082, 0.2499, 0.2404 by changing the saturation by 10% instead.

■ 44.8082, 0.2499,
0.2404

■ 44.8082, 0.2499,
0.2404

■ 365.9962, 0.2809,
0.2826

■ 31.3064, 0.2424,
0.2306

■ 82.4325, 0.2610,
0.2552

■ 20.8323, 0.2330,
0.2185

■ 107.3238, 0.2652,
0.2609

■ 13.0014, 0.2209,
0.2032

■ 136.7804, 0.2688,
0.2658

■ 7.4295, 0.2047,
0.1833

■ 171.1866, 0.2719,
0.2701

■ 3.7322, 0.1824,
0.1569

■ 210.9269, 0.2746,
0.2738

■ 1.5249, 0.1505,
0.1211

■ 256.3857, 0.2770,

■ 0.3061, 0.1019,

0.2771

0.0543

307.9473, 0.2791,
0.2800

0.0000, 0.0000,
0.0000

44.8082, 0.2499,
0.2404

44.8082, 0.2499,
0.2404

35.1873, 0.2301,
0.2104

56.1357, 0.2691,
0.2685

27.1841, 0.2105,
0.1795

69.2426, 0.2872,
0.2941

20.7089, 0.1922,
0.1492

84.2037, 0.3037,
0.3169

15.6613, 0.1764,
0.1214

99.5575, 0.3168,
0.3357

11.9278, 0.1642,
0.0978

■ 9.3760, 0.1562,
0.0799

■ 8.6114, 0.1540,
0.0742

Harmonies

Analogous

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



44.8082, 0.2197, 0.2482



44.8082, 0.2499, 0.2404



44.8082, 0.2989, 0.2524

Triad

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



44.8082, 0.2499, 0.2404



44.8082, 0.4252, 0.3641



44.8082, 0.2656, 0.3849

Complementary

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



44.8082, 0.2499, 0.2404



80.2131, 0.3721, 0.4041

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.



44.8082, 0.3183, 0.4245



44.8082, 0.2499, 0.2404



44.8082, 0.4122, 0.4045

Square

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



44.8082, 0.2499, 0.2404



44.8082, 0.4045, 0.3202



44.8082, 0.3722, 0.4295



44.8082, 0.2276, 0.3279

Rectangle

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



44.8082, 0.2499, 0.2404



44.8082, 0.3373, 0.2698



44.8082, 0.3722, 0.4295



44.8082, 0.2821, 0.4013

Sweetspot

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



44.8099, 0.2499, 0.2404



81.2422, 0.2954, 0.3055



80.3224, 0.2701, 0.3476



16.9309, 0.2931, 0.3023



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.



44.8099, 0.2499, 0.2404



40.1802, 0.2356, 0.2190



42.1847, 0.2677, 0.2263



17.1458, 0.2979, 0.3089



4.7942, 0.1545, 0.0762



0.5776, 0.1599, 0.0955

Inverse Universe

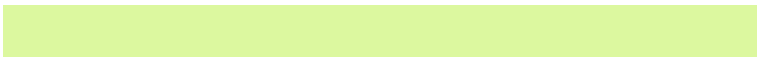
The Inverse Universe completely reimagines the original color for something new.



47.8664, 0.3837, 0.3120



44.3344, 0.4053, 0.3087



84.8322, 0.3470, 0.4248



17.2760, 0.3266, 0.3248



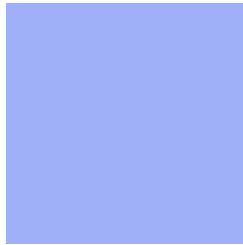
10.8949, 0.6131, 0.3151



1.0225, 0.5827, 0.2984

Previews

White Background



This preview shows how the Yxy color 44.8082, 0.2499, 0.2404 looks on a white background.

Color Contrast Check

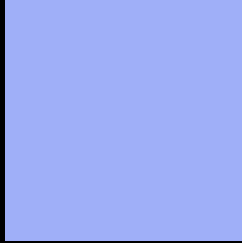
Large Text (above 18pt) WCAG AA × Fail

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 44.8082, 0.2499, 0.2404 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 44.8082, 0.2499, 0.2404

Background



This preview shows how black text looks on a background with the Yxy color 44.8082, 0.2499, 0.2404.



This preview shows how white text looks on a background with the Yxy color 44.8082, 0.2499, 0.2404.

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

44.8082, 0.2499, 0.2404

Protanopia

44.9581, 0.2476, 0.2402

Deuteranopia

44.7965, 0.2475, 0.2411



Tritanopia

44.7004, 0.2737, 0.3084

Trichromacy



Original Color

44.8082, 0.2499, 0.2404

Protanomaly

45.0583, 0.2482, 0.2404

Deuteranomaly

44.8959, 0.2481, 0.2412

Tritanomaly

44.7329, 0.2645, 0.2817

Monochromacy



Original Color

44.8082, 0.2499, 0.2404

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.9711, 0.2878, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8082, 0.2499, 0.2404 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, 175, 248)` looks like.

```
.text, #text, p{  
    color:rgb(159, 175, 248)  
}
```

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, 175, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 175, 248) }
```

Border

The CSS property to change the border of an element to Yxy 44.8082, 0.2499, 0.2404 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, 175, 248) }
```

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

```
.border{ border-color:rgb(159, 175, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 175, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 175, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 175, 248);  
box-shadow:4px 4px 4px 4px rgb(159, 175,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8082, 0.2499, 0.2404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 175, 248) }
```

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

```
.background{ background-color: rgb(159,  
175, 248) }
```

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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