

Converting Colors

$Yxy(48.3343, 0.2509, 0.2447)$

Have a look what the booklet for
Yxy(48.3343, 0.2509, 0.2447)
contains.

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Color

Yxy(48.3343, 0.2509, 0.2447)

Conversions

Conversions Part 1

Format	Color
Hex	A3B6FD
RGB	163, 182, 253
RGB Percent	64%, 71%, 99%
CMY	0.3608, 0.2862, 0.0079
CMYK	0.36, 0.28, 0.00, 0.01
HSL	227°, 96%, 82%
HSV	227°, 36%, 99%
XYZ	49.5590, 48.3343, 99.6315
YIQ	184.4130, -34.1150, 18.0530

Conversions

Conversions Part 2

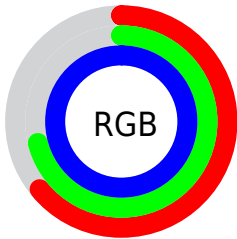
Format	Color
RYB	163, 179, 253
Decimal	10729213
CIELab	75.04, 10.04, -37.21
CIElCh	75, 38.541, 285.105
Yxy	48.3343, 0.2509, 0.2447
Android (android.graphics.Color)	4288919293 (0xFFA3B6FD)
YUV	184.4130, 33.8134, -18.7792
Hunter-Lab	69.5229, 5.5776, -36.3010

Details

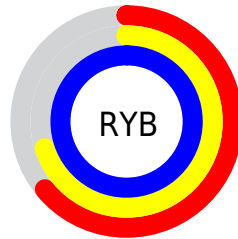
The Yxy color **48.3343, 0.2509, 0.2447** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.3559, 0.3726, 0.4010**, and the grayscale version is **47.9973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5847, 0.2912, 0.3115**, and **22.8742, 0.2347, 0.2237** is the 20% darker color. If you saturate the color by 10%, you get **38.3279, 0.2314, 0.2159**, and if you desaturate by 10%, it is **60.0431, 0.2698, 0.2716**.

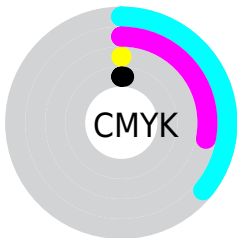
Distribution



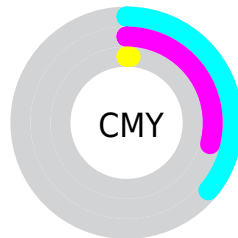
- Red (64%)
- Green (71%)
- Blue (99%)



- Red (64%)
- Yellow (70%)
- Blue (99%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (1%)



- Cyan (36%)
- Magenta (29%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3343, 0.2509, 0.2447 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 48.3343, 0.2509, 0.2447 by changing the saturation by 10% instead.

■ 48.3343, 0.2509,
0.2447

■ 48.3343, 0.2509,
0.2447

380.1157, 0.2810,
0.2846

■ 34.0917, 0.2437,
0.2355

■ 87.7019, 0.2616,
0.2586

■ 22.9641, 0.2348,
0.2242

■ 113.5958, 0.2657,
0.2640

■ 14.5670, 0.2232,
0.2099

144.1421, 0.2692,
0.2686

■ 8.5160, 0.2080,
0.1914

179.7254, 0.2722,
0.2727

■ 4.4269, 0.1873,
0.1669

220.7300, 0.2749,
0.2762

■ 1.9151, 0.1577,
0.1336

267.5403, 0.2772,

■ 0.5574, 0.1151,

0.2793

0.0828

320.5408, 0.2792,
0.2821

0.0000, 0.0000,
0.0000

48.3343, 0.2509,
0.2447

48.3343, 0.2509,
0.2447

38.3279, 0.2314,
0.2159

60.0431, 0.2698,
0.2716

29.9373, 0.2121,
0.1860

73.5243, 0.2877,
0.2961

23.0765, 0.1941,
0.1564

88.8505, 0.3042,
0.3180

17.6487, 0.1784,
0.1287

99.8708, 0.3139,
0.3309

13.5451, 0.1661,
0.1046

■ 10.6392, 0.1579,
0.0857

■ 9.6772, 0.1553,
0.0790

Harmonies

Analogous

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



48.3343, 0.2233, 0.2536



48.3343, 0.2509, 0.2447



48.3343, 0.2966, 0.2550

Triad

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



48.3343, 0.2509, 0.2447



48.3343, 0.4187, 0.3602



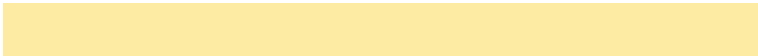
48.3343, 0.2710, 0.3846

Complementary

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



48.3343, 0.2509, 0.2447



82.3559, 0.3726, 0.4010

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.



48.3343, 0.3216, 0.4200



48.3343, 0.2509, 0.2447



48.3343, 0.4085, 0.3988

Square

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



48.3343, 0.2509, 0.2447



48.3343, 0.3972, 0.3184



48.3343, 0.3721, 0.4232



48.3343, 0.2337, 0.3315

Rectangle

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



48.3343, 0.2509, 0.2447



48.3343, 0.3327, 0.2710



48.3343, 0.3721, 0.4232



48.3343, 0.2870, 0.3995

Sweetspot

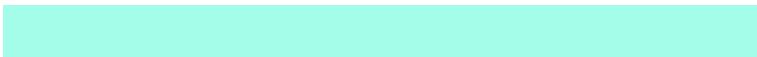
The Sweet Spot groups the original color and five complimentary colors.



48.3361, 0.2509, 0.2447



81.7499, 0.2954, 0.3064



83.9378, 0.2718, 0.3510



17.0510, 0.2932, 0.3034



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.



48.3361, 0.2509, 0.2447



41.4662, 0.2364, 0.2234



44.0394, 0.2658, 0.2265



17.9994, 0.2979, 0.3097



5.3172, 0.1559, 0.0812



0.6672, 0.1613, 0.1008

Inverse Universe

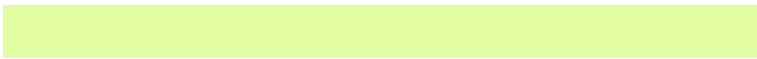
The Inverse Universe completely reimagines the original color for something new.



50.4515, 0.3801, 0.3091



44.4642, 0.4015, 0.3050



89.2950, 0.3489, 0.4235



18.0498, 0.3261, 0.3240



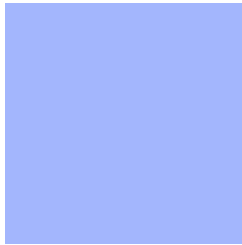
11.2647, 0.6050, 0.3106



1.1119, 0.5747, 0.2940

Previews

White Background



This preview shows how the Yxy color 48.3343, 0.2509, 0.2447 looks on a white background.

Color Contrast Check

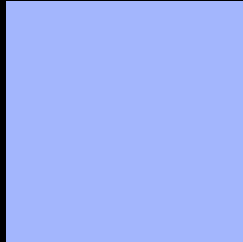
Large Text (above 18pt) WCAG AA × Fail

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 48.3343, 0.2509, 0.2447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

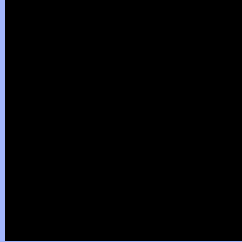
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3343, 0.2509, 0.2447

Background



This preview shows how black text looks on a background with the Yxy color 48.3343, 0.2509, 0.2447.



This preview shows how white text looks on a background with the Yxy color 48.3343, 0.2509, 0.2447.

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

48.3343, 0.2509, 0.2447

Protanopia

48.3343, 0.2509, 0.2447

Deuteranopia

48.3343, 0.2509, 0.2447



Tritanopia

48.3932, 0.2728, 0.3090

Trichromacy



Original Color

48.3343, 0.2509, 0.2447

Protanomaly

48.3343, 0.2509, 0.2447

Deuteranomaly

48.3343, 0.2509, 0.2447

Tritanomaly

48.3621, 0.2645, 0.2842

Monochromacy



Original Color

48.3343, 0.2509, 0.2447

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.7005, 0.2876, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3343, 0.2509, 0.2447 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(163, 182, 253)` looks like.

```
.text, #text, p{  
    color:rgb(163, 182, 253)  
}
```

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(163, 182, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 182, 253) }
```

Border

The CSS property to change the border of an element to Yxy 48.3343, 0.2509, 0.2447 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(163, 182, 253) }
```

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

```
.border{ border-color:rgb(163, 182, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 182, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 182, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 182, 253);  
box-shadow:4px 4px 4px 4px rgb(163, 182,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3343, 0.2509, 0.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 182, 253) }
```

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

```
.background{ background-color: rgb(163,  
182, 253) }
```

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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