

Converting Colors

$Y_{xy}(46.5552, 0.2493, 0.2378)$

Have a look what the booklet for
Yxy(46.5552, 0.2493, 0.2378)
contains.

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Color

Yxy(46.3866, 0.2495, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	A3B1FE
RGB	163, 177, 254
RGB Percent	64%, 69%, 100%
CMY	0.3608, 0.3058, 0.0040
CMYK	0.36, 0.30, 0.00, 0.00
HSL	231°, 98%, 82%
HSV	231°, 36%, 100%
XYZ	48.7098, 46.3866, 100.1334
YIQ	181.5920, -33.0610, 20.9790

Conversions

Conversions Part 2

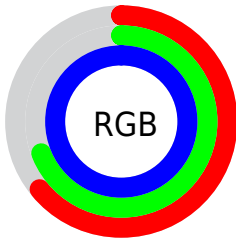
Format	Color
R _Y B	163, 175, 254
Decimal	10727934
CIE Lab	73.80, 13.07, -39.67
CIE LCh	74, 41.771, 288.241
Yxy	46.3866, 0.2495, 0.2376
Android (android.graphics.Color)	4288918014 (0xFFA3B1FE)
YUV	181.5920, 35.6971, -16.3052
Hunter-Lab	68.1077, 8.4726, -39.4940

Details

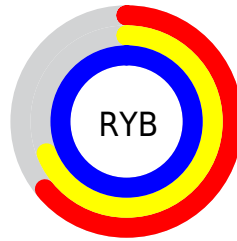
The Yxy color **46.3866, 0.2495, 0.2376** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **86.0012, 0.3713, 0.4062**, and the grayscale version is **46.3614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7135, 0.2910, 0.3062**, and **21.8866, 0.2330, 0.2161** is the 20% darker color. If you saturate the color by 10%, you get **36.1419, 0.2294, 0.2067**, and if you desaturate by 10%, it is **58.5089, 0.2690, 0.2666**.

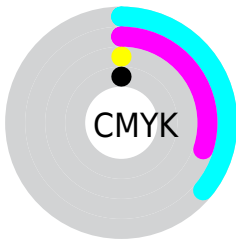
Distribution



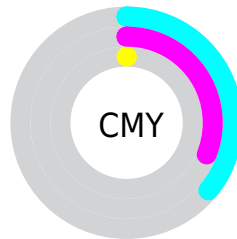
- Red (64%)
- Green (69%)
- Blue (100%)



- Red (64%)
- Yellow (69%)
- Blue (100%)



- Cyan (36%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3866, 0.2495, 0.2376 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 46.3866, 0.2495, 0.2376 by changing the saturation by 10% instead.

 46.3866, 0.2495,
0.2376


 46.3866, 0.2495,
0.2376

372.3607, 0.2806,
0.2807

 32.5510, 0.2421,
0.2277


 84.7973, 0.2606,
0.2526

 21.7827, 0.2327,
0.2155

 110.1412, 0.2648,
0.2585

 13.6973, 0.2208,
0.2002


140.0899, 0.2684,
0.2635

 7.9105, 0.2049,
0.1806

175.0279, 0.2715,
0.2678

 4.0377, 0.1833,
0.1547

215.3397, 0.2742,
0.2717

 1.6947, 0.1526,
0.1200

261.4094, 0.2766,

 0.4202, 0.1087,

0.2750

0.0636

313.6217, 0.2787,
0.2780

0.0000, 0.0000,
0.0000

46.3866, 0.2495,
0.2376

46.3866, 0.2495,
0.2376

36.1419, 0.2294,
0.2067

58.5089, 0.2690,
0.2666

27.6749, 0.2095,
0.1750

72.5916, 0.2872,
0.2930

20.8841, 0.1909,
0.1442

88.7187, 0.3038,
0.3166

15.6554, 0.1750,
0.1162

99.9344, 0.3133,
0.3300

11.8599, 0.1629,
0.0930

■ 9.3465, 0.1552,
0.0760

■ 8.6157, 0.1530,
0.0708

Harmonies

Analogous

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



46.3866, 0.2175, 0.2446



46.3866, 0.2495, 0.2376



46.3866, 0.3008, 0.2508

Triad

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



46.3866, 0.2495, 0.2376



46.3866, 0.4295, 0.3669



46.3866, 0.2616, 0.3848

Complementary

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



46.3866, 0.2495, 0.2376



86.0012, 0.3713, 0.4062

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.



46.3866, 0.3158, 0.4274



46.3866, 0.2495, 0.2376



46.3866, 0.4144, 0.4084

Square

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



46.3866, 0.2495, 0.2376



46.3866, 0.4096, 0.3216



46.3866, 0.3719, 0.4338



46.3866, 0.2234, 0.3251

Rectangle

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



46.3866, 0.2495, 0.2376



46.3866, 0.3407, 0.2692



46.3866, 0.3719, 0.4338



46.3866, 0.2785, 0.4022

Sweetspot

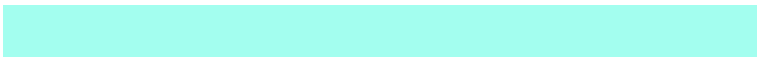
The Sweet Spot groups the original color and five complimentary colors.



46.3884, 0.2495, 0.2376



80.8484, 0.2954, 0.3047



84.8758, 0.2693, 0.3459



16.8378, 0.2931, 0.3015



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.



46.3884, 0.2495, 0.2376



39.2021, 0.2351, 0.2155



44.7219, 0.2688, 0.2266



17.8297, 0.2979, 0.3082



4.6753, 0.1535, 0.0726



0.5807, 0.1583, 0.0897

Inverse Universe

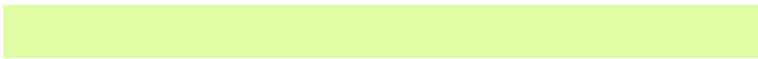
The Inverse Universe completely reimagines the original color for something new.



50.4302, 0.3859, 0.3144



44.2356, 0.4082, 0.3116



89.3047, 0.3460, 0.4252



18.0327, 0.3270, 0.3254



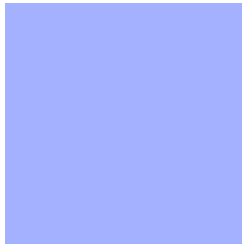
11.1999, 0.6189, 0.3183



1.1032, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 46.3866, 0.2495, 0.2376 looks on a white background.

Color Contrast Check

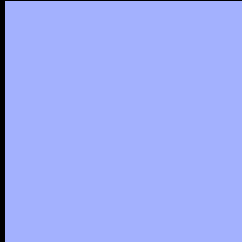
Large Text (above 18pt) WCAG AA × Fail

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 46.3866, 0.2495, 0.2376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

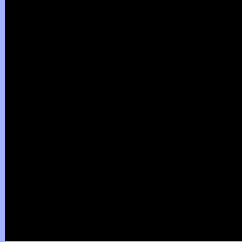
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3866, 0.2495, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 46.3866, 0.2495, 0.2376.



This preview shows how white text looks on a background with the Yxy color 46.3866, 0.2495, 0.2376.

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

46.3866, 0.2495, 0.2376

Protanopia

46.2289, 0.2454, 0.2369

Deuteranopia

46.4639, 0.2455, 0.2390



Tritanopia

46.3842, 0.2742, 0.3087

Trichromacy



Original Color

46.3866, 0.2495, 0.2376

Protanomaly

46.4317, 0.2466, 0.2372

Deuteranomaly

46.3675, 0.2471, 0.2382

Tritanomaly

46.0560, 0.2644, 0.2799

Monochromacy



Original Color

46.3866, 0.2495, 0.2376

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.3105, 0.2874, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3866, 0.2495, 0.2376 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, 177, 254)` looks like.

```
.text, #text, p{  
    color:rgb(163, 177, 254)  
}
```

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, 177, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 177, 254) }
```

Border

The CSS property to change the border of an element to Yxy 46.3866, 0.2495, 0.2376 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, 177, 254) }
```

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

```
.border{ border-color:rgb(163, 177, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 177, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 177, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 177, 254);  
box-shadow:4px 4px 4px 4px rgb(163, 177,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3866, 0.2495, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 177, 254) }
```

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

```
.background{ background-color: rgb(163,  
177, 254) }
```

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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