

Converting Colors

$Y_{xy}(47.7267, 0.2466, 0.2422)$

Have a look what the booklet for
Yxy(47.7267, 0.2466, 0.2422)
contains.

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Color

Yxy(47.7798, 0.2466, 0.2429)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9DB6FE |
| RGB | 157, 182, 254 |
| RGB Percent | 62%, 71%, 100% |
| CMY | 0.3846, 0.2862, 0.0040 |
| CMYK | 0.38, 0.28, 0.00, 0.00 |
| HSL | 224°, 98%, 81% |
| HSV | 224°, 38%, 100% |
| XYZ | 48.5076, 47.7798, 100.4182 |
| YIQ | 182.7330, -38.0120, 17.0920 |

Conversions

Conversions Part 2

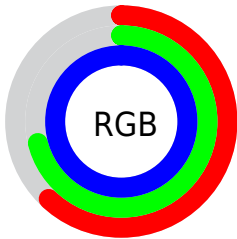
| Format | Color |
|-------------------------------------|---|
| RYB | 157, 177, 254 |
| Decimal | 10335998 |
| CIELab | 74.69, 8.68, -38.32 |
| CIELCh | 75, 39.293, 282.768 |
| Yxy | 47.7798, 0.2466, 0.2429 |
| Android (android.graphics.Color) | 4288526078 (0xFF9DB6FE) |
| YUV | 182.7330, 35.1346, -22.5678 |
| Hunter-Lab | 69.1229, 4.2988, -37.7474 |

Details

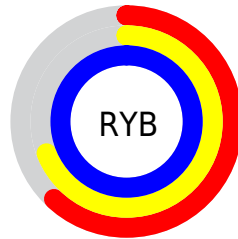
The Yxy color **47.7798, 0.2466, 0.2429** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **79.4704, 0.3791, 0.4021**, and the grayscale version is **47.0135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6652, 0.2875, 0.3113**, and **22.5565, 0.2297, 0.2213** is the 20% darker color. If you saturate the color by 10%, you get **38.2865, 0.2276, 0.2154**, and if you desaturate by 10%, it is **58.8445, 0.2653, 0.2687**.

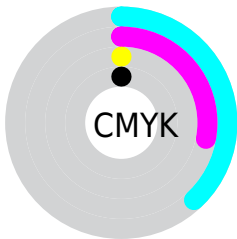
Distribution



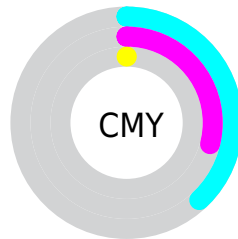
- Red (62%)
- Green (71%)
- Blue (100%)



- Red (62%)
- Yellow (69%)
- Blue (100%)



- Cyan (38%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7798, 0.2466, 0.2429 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 47.7798, 0.2466, 0.2429 by changing the saturation by 10% instead.

■ 47.7798, 0.2466,
0.2429

■ 47.7798, 0.2466,
0.2429

377.9186, 0.2788,
0.2837

■ 33.6525, 0.2390,
0.2335

■ 86.8765, 0.2580,
0.2572

■ 22.6268, 0.2294,
0.2219

■ 112.6146, 0.2624,
0.2627

■ 14.3182, 0.2173,
0.2072

142.9919, 0.2661,
0.2674

■ 8.3423, 0.2012,
0.1883

178.3927, 0.2693,
0.2715

■ 4.3147, 0.1794,
0.1633

219.2014, 0.2722,
0.2752

■ 1.8511, 0.1488,
0.1293

265.8023, 0.2746,

■ 0.5188, 0.1047,

0.2783

0.0770

318.5799, 0.2768,
0.2812

0.0000, 0.0000,
0.0000

47.7798, 0.2466,
0.2429

47.7798, 0.2466,
0.2429

38.2865, 0.2276,
0.2154

58.8445, 0.2653,
0.2687

30.2850, 0.2091,
0.1870

71.5444, 0.2832,
0.2923

23.6964, 0.1921,
0.1589

85.9460, 0.3000,
0.3134

18.4316, 0.1776,
0.1325

99.9348, 0.3133,
0.3300

14.3899, 0.1663,
0.1093

■ 11.4469, 0.1588,
0.0905

■ 11.0159, 0.1577,
0.0877

Harmonies

Analogous

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



47.7798, 0.2201, 0.2535



47.7798, 0.2466, 0.2429



47.7798, 0.2920, 0.2520

Triad

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



47.7798, 0.2466, 0.2429



47.7798, 0.4206, 0.3574



47.7798, 0.2737, 0.3898

Complementary

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



47.7798, 0.2466, 0.2429



79.4704, 0.3791, 0.4021

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.



47.7798, 0.3259, 0.4238



47.7798, 0.2466, 0.2429



47.7798, 0.4126, 0.3975

Square

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



47.7798, 0.2466, 0.2429



47.7798, 0.3962, 0.3149



47.7798, 0.3770, 0.4243



47.7798, 0.2342, 0.3358

Rectangle

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



47.7798, 0.2466, 0.2429



47.7798, 0.3287, 0.2675



47.7798, 0.3770, 0.4243



47.7798, 0.2903, 0.4045

Sweetspot

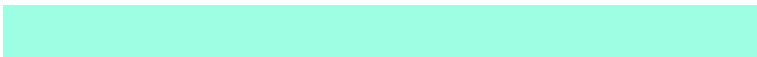
The Sweet Spot groups the original color and five complimentary colors.



47.7816, 0.2466, 0.2429



82.5055, 0.2954, 0.3078



83.6411, 0.2716, 0.3586



17.2300, 0.2932, 0.3050



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.



47.7816, 0.2466, 0.2429



40.6183, 0.2318, 0.2216



40.8929, 0.2579, 0.2168



18.1415, 0.2979, 0.3108



6.0087, 0.1584, 0.0902



0.7526, 0.1643, 0.1113

Inverse Universe

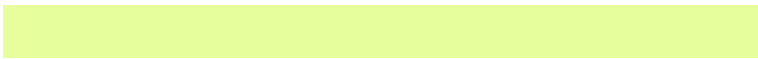
The Inverse Universe completely reimagines the original color for something new.



48.5331, 0.3828, 0.3028



42.1797, 0.4047, 0.2976



90.3506, 0.3546, 0.4296



18.0642, 0.3253, 0.3229



11.3345, 0.5908, 0.3028



1.1205, 0.5592, 0.2854

Previews

White Background



This preview shows how the Yxy color 47.7798, 0.2466, 0.2429 looks on a white background.

Color Contrast Check

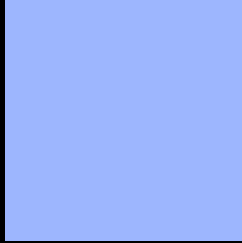
Large Text (above 18pt) WCAG AA × Fail

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 47.7798, 0.2466, 0.2429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

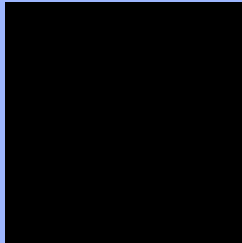
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7798, 0.2466, 0.2429

Background



This preview shows how black text looks on a background with the Yxy color 47.7798, 0.2466, 0.2429.



This preview shows how white text looks on a background with the Yxy color 47.7798, 0.2466, 0.2429.

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

47.7798, 0.2466, 0.2429

Protanopia

47.8210, 0.2501, 0.2433

Deuteranopia

47.6771, 0.2483, 0.2420



Tritanopia

47.7376, 0.2681, 0.3088

Trichromacy



Original Color

47.7798, 0.2466, 0.2429

Protanomaly

47.6132, 0.2488, 0.2430

Deuteranomaly

47.5744, 0.2477, 0.2419

Tritanomaly

47.6837, 0.2600, 0.2837

Monochromacy



Original Color

47.7798, 0.2466, 0.2429

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4691, 0.2861, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7798, 0.2466, 0.2429 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(157, 182, 254)` looks like.

```
.text, #text, p{  
    color:rgb(157, 182, 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(157, 182, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 182, 254) }
```

Border

The CSS property to change the border of an element to Yxy 47.7798, 0.2466, 0.2429 is called "border". The border property can be set on classes, ids or directly on the HTML element.

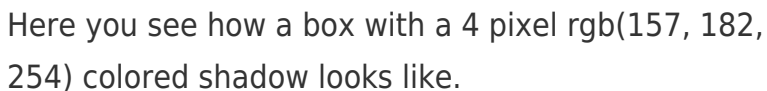
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 182, 254) }
```

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

```
.border{ border-color:rgb(157, 182, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 182, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 182, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 182, 254);  
box-shadow:4px 4px 4px 4px rgb(157, 182,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7798, 0.2466, 0.2429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 182, 254) }
```

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

```
.background{ background-color: rgb(157,  
182, 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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