

Converting Colors

$Y_{xy}(48.0959, 0.2527, 0.2461)$

Have a look what the booklet for
Yxy(48.0959, 0.2527, 0.2461)
contains.

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Color

Yxy(47.9053, 0.2525, 0.2456)

Conversions

Conversions Part 1

Format	Color
Hex	A4B5FB
RGB	164, 181, 251
RGB Percent	64%, 71%, 98%
CMY	0.3566, 0.2902, 0.0158
CMYK	0.35, 0.28, 0.00, 0.02
HSL	228°, 92%, 81%
HSV	228°, 35%, 98%
XYZ	49.2512, 47.9053, 97.8977
YIQ	183.8970, -32.6020, 18.1660

Conversions

Conversions Part 2

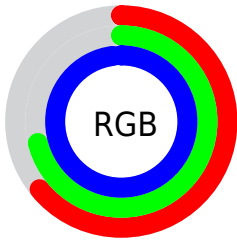
Format	Color
RYB	164, 178, 251
Decimal	10794491
CIELab	74.77, 10.37, -36.54
CIELCh	75, 37.986, 285.847
Yxy	47.9053, 0.2525, 0.2456
Android (android.graphics.Color)	4288984571 (0xFFA4B5FB)
YUV	183.8970, 33.0818, -17.4497
Hunter-Lab	69.2137, 5.8934, -35.4118

Details

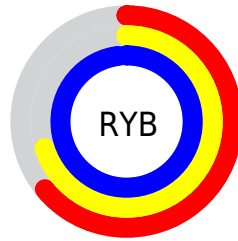
The Yxy color **47.9053, 0.2525, 0.2456** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **82.0550, 0.3704, 0.4004**, and the grayscale version is **47.7060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1605, 0.2918, 0.3105**, and **22.5846, 0.2365, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **37.8641, 0.2329, 0.2163**, and if you desaturate by 10%, it is **59.6689, 0.2715, 0.2729**.

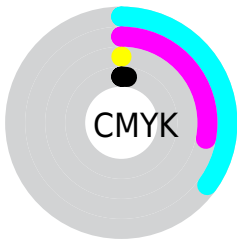
Distribution



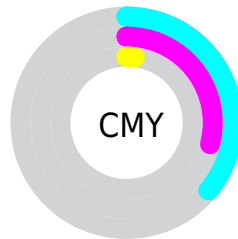
- Red (64%)
- Green (71%)
- Blue (98%)



- Red (64%)
- Yellow (70%)
- Blue (98%)



- Cyan (35%)
- Magenta (28%)
- Yellow (0%)
- Black (2%)





- Cyan (36%)
- Magenta (29%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9053, 0.2525, 0.2456 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 47.9053, 0.2525, 0.2456 by changing the saturation by 10% instead.


 47.9053, 0.2525,
0.2456


 47.9053, 0.2525,
0.2456


378.4166, 0.2820,
0.2851

 33.7519, 0.2455,
0.2365


 87.0634, 0.2630,
0.2594

 22.7031, 0.2366,
0.2252


 112.8369, 0.2670,
0.2648

 14.3744, 0.2253,
0.2110


143.2525, 0.2704,
0.2694

 8.3815, 0.2103,
0.1926

178.6947, 0.2734,
0.2733

 4.3400, 0.1897,
0.1680

219.5478, 0.2759,
0.2768

 1.8655, 0.1602,
0.1345

266.1962, 0.2782,

 0.5275, 0.1173,

0.2799

0.0820

319.0244, 0.2802,
0.2827

0.0000, 0.0000,
0.0000

47.9053, 0.2525,
0.2456

47.9053, 0.2525,
0.2456

37.8641, 0.2329,
0.2163

59.6689, 0.2715,
0.2729

29.4576, 0.2133,
0.1860

73.2259, 0.2893,
0.2976

22.5984, 0.1950,
0.1559

88.6501, 0.3057,
0.3197

17.1885, 0.1789,
0.1277

99.7436, 0.3150,
0.3328

13.1178, 0.1663,
0.1034

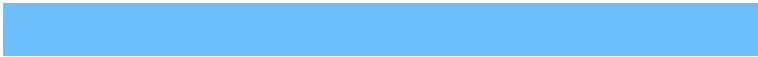
■ 10.2585, 0.1577,
0.0843

■ 9.1524, 0.1546,
0.0765

Harmonies

Analogous

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



47.9053, 0.2246, 0.2540



47.9053, 0.2525, 0.2456



47.9053, 0.2980, 0.2562

Triad

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



47.9053, 0.2525, 0.2456



47.9053, 0.4176, 0.3610



47.9053, 0.2704, 0.3827

Complementary

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



47.9053, 0.2525, 0.2456



82.0550, 0.3704, 0.4004

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.



47.9053, 0.3202, 0.4184



47.9053, 0.2525, 0.2456



47.9053, 0.4068, 0.3990

Square

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



47.9053, 0.2525, 0.2456



47.9053, 0.3971, 0.3196



47.9053, 0.3704, 0.4224



47.9053, 0.2339, 0.3302

Rectangle

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



47.9053, 0.2525, 0.2456



47.9053, 0.3339, 0.2723



47.9053, 0.3704, 0.4224



47.9053, 0.2861, 0.3976

Sweetspot

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



47.9071, 0.2525, 0.2456



83.0735, 0.2971, 0.3082



82.7955, 0.2720, 0.3486



17.3062, 0.2947, 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.



47.9071, 0.2525, 0.2456



41.7971, 0.2380, 0.2241



44.4985, 0.2685, 0.2299



17.1904, 0.2979, 0.3093



4.9701, 0.1552, 0.0786



0.6002, 0.1607, 0.0986

Inverse Universe

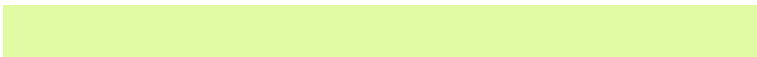
The Inverse Universe completely reimagines the original color for something new.



50.4117, 0.3790, 0.3111



45.2644, 0.4003, 0.3074



87.6538, 0.3470, 0.4211



17.2805, 0.3263, 0.3244



10.9126, 0.6091, 0.3129



1.0248, 0.5779, 0.2957

Previews

White Background



This preview shows how the Yxy color 47.9053, 0.2525, 0.2456 looks on a white background.

Color Contrast Check

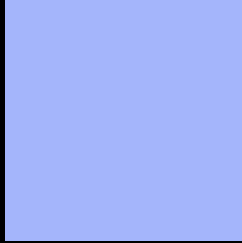
Large Text (above 18pt) WCAG AA × Fail

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 47.9053, 0.2525, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

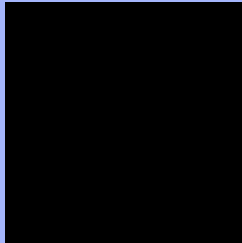
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9053, 0.2525, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 47.9053, 0.2525, 0.2456.



This preview shows how white text looks on a background with the Yxy color 47.9053, 0.2525, 0.2456.

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

47.9053, 0.2525, 0.2456

Protanopia

47.7993, 0.2518, 0.2454

Deuteranopia

47.7993, 0.2518, 0.2454



Tritanopia

48.1047, 0.2747, 0.3091

Trichromacy



Original Color

47.9053, 0.2525, 0.2456

Protanomaly

47.7993, 0.2518, 0.2454

Deuteranomaly

47.7993, 0.2518, 0.2454

Tritanomaly

48.0837, 0.2664, 0.2843

Monochromacy



Original Color

47.9053, 0.2525, 0.2456

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.7682, 0.2891, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9053, 0.2525, 0.2456 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(164, 181, 251)` looks like.

```
.text, #text, p{  
    color:rgb(164, 181, 251)  
}
```

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(164, 181, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 181, 251) }
```

Border

The CSS property to change the border of an element to Yxy 47.9053, 0.2525, 0.2456 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(164, 181, 251) }
```

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

```
.border{ border-color:rgb(164, 181, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 181, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 181, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 181, 251);  
box-shadow:4px 4px 4px 4px rgb(164, 181,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9053, 0.2525, 0.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 181, 251) }
```

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

```
.background{ background-color: rgb(164,  
181, 251) }
```

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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