

Converting Colors

Yxy(49.8127, 0.2509, 0.2152)

Have a look what the booklet for
Yxy(49.8127, 0.2509, 0.2152)
contains.

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Color

Yxy(48.1835, 0.2654, 0.2372)

Conversions

Conversions Part 1

Format	Color
Hex	BCAEFF
RGB	188, 174, 255
RGB Percent	74%, 68%, 100%
CMY	0.2629, 0.3175, 0.0001
CMYK	0.26, 0.32, 0.00, 0.00
HSL	250°, 100%, 84%
HSV	250°, 32%, 100%
XYZ	53.9119, 48.1835, 101.0391
YIQ	187.4200, -17.6570, 28.1590

Conversions

Conversions Part 2

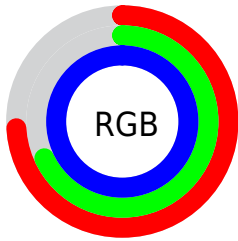
Format	Color
R _Y B	188, 174, 255
Decimal	12365567
CIE Lab	74.94, 21.91, -38.28
CIE LCh	75, 44.107, 299.778
Yxy	48.1835, 0.2654, 0.2372
Android (android.graphics.Color)	4290555647 (0xFFBCAEFF)
YUV	187.4200, 33.3169, 0.5087
Hunter-Lab	69.4143, 17.1601, -37.7121

Details

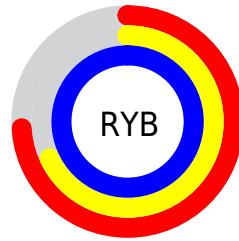
The Yxy color **48.1835, 0.2654, 0.2372** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.2646, 0.3513, 0.4112**, and the grayscale version is **49.7572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2261, 0.3072, 0.3043**, and **22.9828, 0.2525, 0.2163** is the 20% darker color. If you saturate the color by 10%, you get **36.7625, 0.2469, 0.2034**, and if you desaturate by 10%, it is **61.8701, 0.2823, 0.2691**.

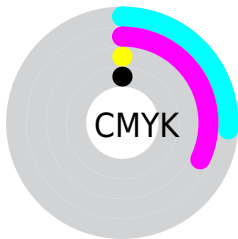
Distribution



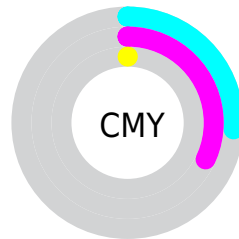
- Red (74%)
- Green (68%)
- Blue (100%)



- Red (74%)
- Yellow (68%)
- Blue (100%)



- Cyan (26%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1835, 0.2654, 0.2372 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 48.1835, 0.2654, 0.2372 by changing the saturation by 10% instead.


 48.1835, 0.2654,
0.2372

 48.1835, 0.2654,
0.2372


379.5190, 0.2890,
0.2798

 33.9722, 0.2597,
0.2276


 87.4776, 0.2739,
0.2519

 22.8723, 0.2524,
0.2158


113.3291, 0.2771,
0.2577

 14.4992, 0.2430,
0.2010


143.8296, 0.2798,
0.2626

 8.4687, 0.2304,
0.1822

179.3633, 0.2822,
0.2670

 4.3963, 0.2128,
0.1576

220.3147, 0.2842,
0.2708

 1.8976, 0.1871,
0.1247

267.0682, 0.2860,

 0.5469, 0.1486,

0.2741

0.0757

320.0082, 0.2876,
0.2771

0.0000, 0.0009,
0.0000

0.0000, 0.0000,
0.0000

48.1835, 0.2654,
0.2372

48.1835, 0.2654,
0.2372

36.7625, 0.2469,
0.2034

61.8701, 0.2823,
0.2691

27.4785, 0.2275,
0.1692

77.9303, 0.2974,
0.2984

20.1984, 0.2082,
0.1366

96.4719, 0.3106,
0.3247

14.7718, 0.1901,
0.1079

99.9980, 0.3127,
0.3290

■ 11.0266, 0.1747,
0.0854

■ 8.7575, 0.1631,
0.0705

■ 7.7507, 0.1565,
0.0636

Harmonies

Analogous

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



48.1835, 0.2239, 0.2359



48.1835, 0.2654, 0.2372



48.1835, 0.3240, 0.2580

Triad

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



48.1835, 0.2654, 0.2372



48.1835, 0.4323, 0.3856



48.1835, 0.2416, 0.3637

Complementary

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



48.1835, 0.2654, 0.2372



93.2646, 0.3513, 0.4112

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.



48.1835, 0.2928, 0.4188



48.1835, 0.2654, 0.2372



48.1835, 0.4040, 0.4245

Square

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



48.1835, 0.2654, 0.2372



48.1835, 0.4261, 0.3389



48.1835, 0.3524, 0.4405



48.1835, 0.2110, 0.3021

Rectangle

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



48.1835, 0.2654, 0.2372



48.1835, 0.3656, 0.2807



48.1835, 0.3524, 0.4405



48.1835, 0.2569, 0.3843

Sweetspot

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



48.1854, 0.2654, 0.2372



81.0092, 0.2999, 0.3033



79.4134, 0.2653, 0.3140



16.8114, 0.2979, 0.2994



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.



48.1854, 0.2654, 0.2372



40.7957, 0.2540, 0.2162



53.9918, 0.2953, 0.2446



17.5279, 0.3005, 0.3046



4.0945, 0.1575, 0.0641



0.4383, 0.1666, 0.0692

Inverse Universe

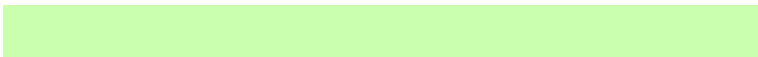
The Inverse Universe completely reimagines the original color for something new.



57.8892, 0.3273, 0.2622



51.9401, 0.3309, 0.2492



86.9752, 0.3248, 0.4187



18.2435, 0.3164, 0.3095



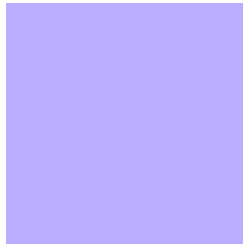
13.5892, 0.3700, 0.1812



1.3366, 0.3634, 0.1776

Previews

White Background



This preview shows how the Yxy color 48.1835, 0.2654, 0.2372 looks on a white background.

Color Contrast Check

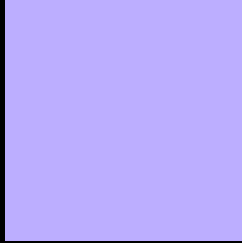
Large Text (above 18pt) WCAG AA × Fail

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 48.1835, 0.2654, 0.2372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

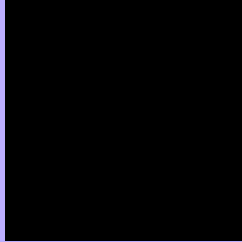
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1835, 0.2654, 0.2372

Background



This preview shows how black text looks on a background with the Yxy color 48.1835, 0.2654, 0.2372.



This preview shows how white text looks on a background with the Yxy color 48.1835, 0.2654, 0.2372.

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

48.1835, 0.2654, 0.2372

Protanopia

48.3573, 0.2492, 0.2426

Deuteranopia

48.3343, 0.2509, 0.2447



Tritanopia

48.2152, 0.2949, 0.3098

Trichromacy



Original Color

48.1835, 0.2654, 0.2372

Protanomaly

48.1181, 0.2545, 0.2402

Deuteranomaly

48.1666, 0.2557, 0.2414

Tritanomaly

48.0388, 0.2837, 0.2810

Monochromacy



Original Color

48.1835, 0.2654, 0.2372

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.7742, 0.2941, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1835, 0.2654, 0.2372 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(188, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 174, 255)  
}
```

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(188, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.1835, 0.2654, 0.2372 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(188, 174, 255) }
```

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

```
.border{ border-color:rgb(188, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1835, 0.2654, 0.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 174, 255) }
```

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

```
.background{ background-color: rgb(188,  
174, 255) }
```

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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