

Converting Colors

$Y_{xy}(49.2243, 0.2605, 0.2418)$

Have a look what the booklet for
Yxy(49.2243, 0.2605, 0.2418)
contains.

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Color

Yxy(49.1635, 0.2605, 0.2416)

Conversions

Conversions Part 1

Format	Color
Hex	B4B3FF
RGB	180, 179, 255
RGB Percent	71%, 70%, 100%
CMY	0.2938, 0.2981, 0.0000
CMYK	0.29, 0.30, 0.00, 0.00
HSL	241°, 100%, 85%
HSV	241°, 30%, 100%
XYZ	53.0095, 49.1635, 101.3183
YIQ	187.9630, -23.8000, 23.8480

Conversions

Conversions Part 2

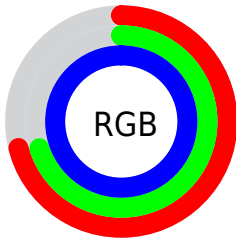
Format	Color
R_{YB}	180, 179, 255
Decimal	11842559
CIE _{Lab}	75.55, 16.94, -37.41
CIE _{LCh}	76, 41.065, 294.368
Yxy	49.1635, 0.2605, 0.2416
Android (android.graphics.Color)	4290032639 (0xFFB4B3FF)
YUV	187.9630, 33.0492, -6.9836
Hunter-Lab	70.1167, 12.2450, -36.5921

Details

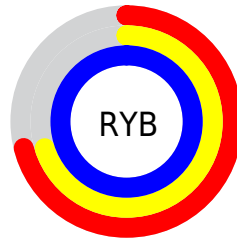
The Yxy color **49.1635, 0.2605, 0.2416** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.8231, 0.3572, 0.4040**, and the grayscale version is **50.0929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6412, 0.3019, 0.3090**, and **23.3589, 0.2463, 0.2203** is the 20% darker color. If you saturate the color by 10%, you get **37.1232, 0.2395, 0.2066**, and if you desaturate by 10%, it is **63.6418, 0.2800, 0.2742**.

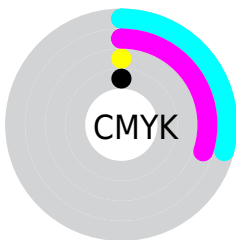
Distribution



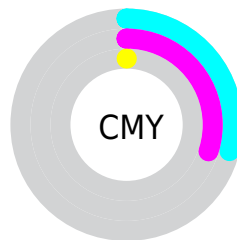
- Red (71%)
- Green (70%)
- Blue (100%)



- Red (71%)
- Yellow (70%)
- Blue (100%)



- Cyan (29%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1635, 0.2605, 0.2416 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 49.1635, 0.2605, 0.2416 by changing the saturation by 10% instead.

■ 49.1635, 0.2605,
0.2416

■ 49.1635, 0.2605,
0.2416

■ 383.3856, 0.2862,
0.2824

■ 34.7492, 0.2543,
0.2323

■ 88.9342, 0.2697,
0.2557

■ 23.4697, 0.2466,
0.2210

■ 115.0595, 0.2732,
0.2612

■ 14.9407, 0.2365,
0.2067

■ 145.8571, 0.2762,
0.2660

■ 8.7778, 0.2232,
0.1884

■ 181.7116, 0.2787,
0.2701

■ 4.5965, 0.2048,
0.1643

■ 223.0073, 0.2810,
0.2738

■ 2.0125, 0.1782,
0.1318

■ 270.1286, 0.2829,

■ 0.6147, 0.1387,

0.2770

0.0846

323.4599, 0.2847,
0.2798

0.0000, 0.0000,
0.0000

49.1635, 0.2605,
0.2416

49.1635, 0.2605,
0.2416

37.1232, 0.2395,
0.2066

63.6418, 0.2800,
0.2742

27.3847, 0.2179,
0.1707

80.6794, 0.2976,
0.3036

19.8021, 0.1970,
0.1362

100.0000, 0.3127,
0.3290

14.2116, 0.1786,
0.1058

10.4263, 0.1641,
0.0823

■ 8.2237, 0.1548,
0.0672

■ 7.2574, 0.1504,
0.0603

■ 7.2441, 0.1503,
0.0602

Harmonies

Analogous

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



49.1635, 0.2251, 0.2443



49.1635, 0.2605, 0.2416



49.1635, 0.3129, 0.2580

Triad

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



49.1635, 0.2605, 0.2416



49.1635, 0.4251, 0.3748



49.1635, 0.2543, 0.3714

Complementary

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



49.1635, 0.2605, 0.2416



95.8231, 0.3572, 0.4040

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.



49.1635, 0.3045, 0.4177



49.1635, 0.2605, 0.2416



49.1635, 0.4044, 0.4127

Square

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



49.1635, 0.2605, 0.2416



49.1635, 0.4127, 0.3309



49.1635, 0.3596, 0.4316



49.1635, 0.2215, 0.3141

Rectangle

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



49.1635, 0.2605, 0.2416



49.1635, 0.3516, 0.2778



49.1635, 0.3596, 0.4316



49.1635, 0.2696, 0.3894

Sweetspot

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



49.1642, 0.2605, 0.2416



82.1819, 0.2989, 0.3058



88.3208, 0.2696, 0.3289



17.0179, 0.2965, 0.3018



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.



49.1642, 0.2605, 0.2416



41.4360, 0.2476, 0.2202



54.2001, 0.2870, 0.2478



17.3905, 0.2981, 0.3044



3.7907, 0.1504, 0.0602



0.3733, 0.1515, 0.0608

Inverse Universe

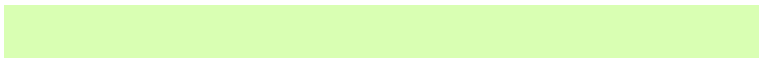
The Inverse Universe completely reimagines the original color for something new.



60.6388, 0.3170, 0.2556



54.6592, 0.3180, 0.2407



89.5235, 0.3324, 0.4104



18.2955, 0.3140, 0.3059



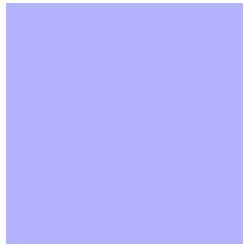
14.7591, 0.3246, 0.1562



1.4385, 0.3242, 0.1559

Previews

White Background



This preview shows how the Yxy color 49.1635, 0.2605, 0.2416 looks on a white background.

Color Contrast Check

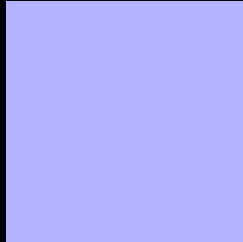
Large Text (above 18pt) WCAG AA × Fail

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 49.1635, 0.2605, 0.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

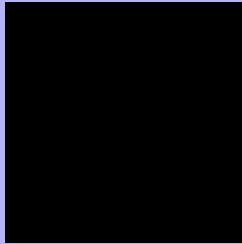
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1635, 0.2605, 0.2416

Background



This preview shows how black text looks on a background with the Yxy color 49.1635, 0.2605, 0.2416.

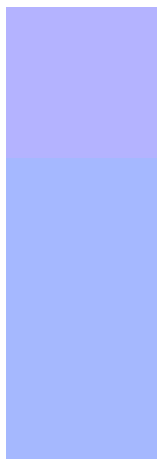


This preview shows how white text looks on a background with the Yxy color 49.1635, 0.2605, 0.2416.

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

49.1635, 0.2605, 0.2416

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.4361, 0.2519, 0.2464



Tritanopia

49.3009, 0.2869, 0.3097

Trichromacy



Original Color

49.1635, 0.2605, 0.2416

Protanomaly

49.2219, 0.2543, 0.2437

Deuteranomaly

49.1577, 0.2548, 0.2447

Tritanomaly

49.0243, 0.2768, 0.2819

Monochromacy



Original Color

49.1635, 0.2605, 0.2416

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.7657, 0.2926, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1635, 0.2605, 0.2416 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(180, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 179, 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(180, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.1635, 0.2605, 0.2416 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(180, 179, 255) }
```

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

```
.border{ border-color:rgb(180, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1635, 0.2605, 0.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 179, 255) }
```

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

```
.background{ background-color: rgb(180,  
179, 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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