

Converting Colors

$Y_{xy}(56.3785, 0.2406, 0.1768)$

Have a look what the booklet for
Yxy(56.3785, 0.2406, 0.1768)
contains.

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Color

Yxy(49.9770, 0.2866, 0.2361)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D9A8FF |
| RGB | 217, 168, 255 |
| RGB Percent | 85%, 66%, 100% |
| CMY | 0.1490, 0.3412, 0.0001 |
| CMYK | 0.15, 0.34, 0.00, 0.00 |
| HSL | 274°, 100%, 83% |
| HSV | 274°, 34%, 100% |
| XYZ | 60.6667, 49.9770, 101.0336 |
| YIQ | 192.5690, 1.2770, 37.4450 |

Conversions

Conversions Part 2

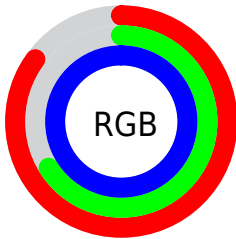
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 217, 168, 255 |
| Decimal | 14264575 |
| CIE Lab | 76.06, 33.71, -36.36 |
| CIE LCh | 76, 49.582, 312.837 |
| Yxy | 49.9770, 0.2866, 0.2361 |
| Android (android.graphics.Color) | 4292454655 (0xFFD9A8FF) |
| YUV | 192.5690, 30.7785, 21.4260 |
| Hunter-Lab | 70.6944, 29.4653, -35.2487 |

Details

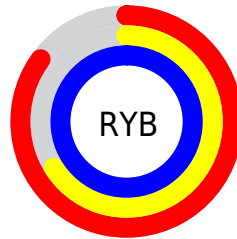
The Yxy color $49.9770, 0.2866, 0.2361$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87.4472, 0.3313, 0.4244$, and the grayscale version is $52.8798, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.7913, 0.3141, 0.2989$, and $23.9158, 0.2786, 0.2148$ is the 20% darker color. If you saturate the color by 10%, you get $39.8209, 0.2764, 0.2069$, and if you desaturate by 10%, it is $62.0979, 0.2957, 0.2651$.

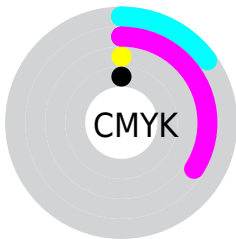
Distribution



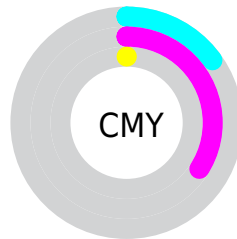
- Red (85%)
- Green (66%)
- Blue (100%)



- Red (85%)
- Yellow (66%)
- Blue (100%)



- Cyan (15%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9770, 0.2866, 0.2361 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 49.9770, 0.2866, 0.2361 by changing the saturation by 10% instead.

 49.9770, 0.2866,
0.2361


 49.9770, 0.2866,
0.2361


386.5760, 0.3003,
0.2785

 35.3951, 0.2831,
0.2267


 90.1408, 0.2916,
0.2506

 23.9674, 0.2786,
0.2152


 116.4915, 0.2935,
0.2563

 15.3094, 0.2727,
0.2010


147.5340, 0.2951,
0.2613

 9.0368, 0.2646,
0.1829

183.6525, 0.2964,
0.2656

 4.7652, 0.2528,
0.1595

225.2316, 0.2976,
0.2694

 2.1102, 0.2348,
0.1284

272.6556, 0.2986,

 0.6703, 0.2057,

0.2727

0.0849

326.3090, 0.2995,
0.2758

0.0000, 0.1384,
0.0000

0.0000, 0.0000,
0.0000

49.9770, 0.2866,
0.2361

49.9770, 0.2866,
0.2361

39.8209, 0.2764,
0.2069

62.0979, 0.2957,
0.2651

31.5127, 0.2653,
0.1785

76.2791, 0.3035,
0.2928

24.9326, 0.2536,
0.1524

92.6172, 0.3103,
0.3189

19.9434, 0.2417,
0.1299

99.9983, 0.3127,
0.3290

■ 16.3863, 0.2302,
0.1123

■ 14.0671, 0.2194,
0.1001

■ 13.1189, 0.2134,
0.0949

Harmonies

Analogous

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



49.9770, 0.2319, 0.2247



49.9770, 0.2866, 0.2361



49.9770, 0.3553, 0.2665

Triad

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



49.9770, 0.2866, 0.2361



49.9770, 0.4350, 0.4106



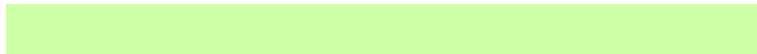
49.9770, 0.2163, 0.3361

Complementary

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



49.9770, 0.2866, 0.2361



87.4472, 0.3313, 0.4244

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.



49.9770, 0.2635, 0.4059



49.9770, 0.2866, 0.2361



49.9770, 0.3900, 0.4465

Square

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



49.9770, 0.2866, 0.2361



49.9770, 0.4466, 0.3612



49.9770, 0.3270, 0.4490



49.9770, 0.1950, 0.2738

Rectangle

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



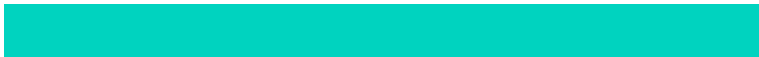
49.9770, 0.2866, 0.2361



49.9770, 0.3988, 0.2948



49.9770, 0.3270, 0.4490



49.9770, 0.2294, 0.3601

Sweetspot

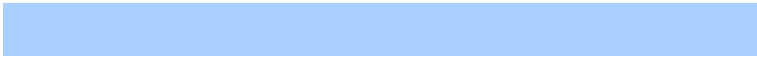
The Sweet Spot groups the original color and five complimentary colors.



49.9791, 0.2866, 0.2361



82.7455, 0.3064, 0.3038



60.2375, 0.2570, 0.2738



17.2300, 0.3055, 0.3001



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.



49.9791, 0.2866, 0.2361



42.7853, 0.2797, 0.2159



56.2034, 0.3201, 0.2478



17.8827, 0.3068, 0.3051



6.9465, 0.2150, 0.0958



0.7410, 0.2265, 0.1022

Inverse Universe

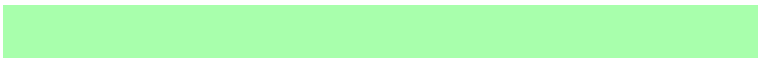
The Inverse Universe completely reimagines the original color for something new.



53.7166, 0.3581, 0.2898



47.2060, 0.3713, 0.2818



82.8206, 0.3057, 0.4263



18.1188, 0.3225, 0.3187



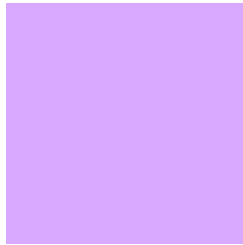
11.7407, 0.5233, 0.2656



1.1646, 0.4946, 0.2499

Previews

White Background



This preview shows how the Yxy color 49.9770, 0.2866, 0.2361 looks on a white background.

Color Contrast Check

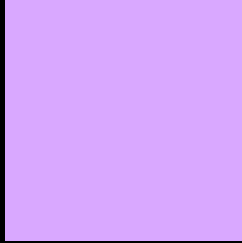
Large Text (above 18pt) WCAG AA × Fail

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 49.9770, 0.2866, 0.2361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

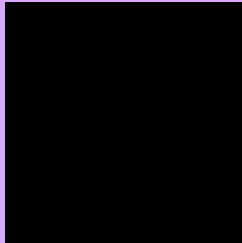
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9770, 0.2866, 0.2361

Background



This preview shows how black text looks on a background with the Yxy color 49.9770, 0.2866, 0.2361.

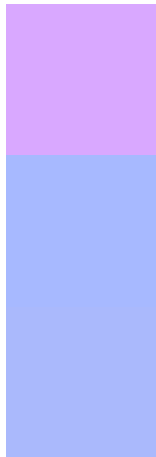


This preview shows how white text looks on a background with the Yxy color 49.9770, 0.2866, 0.2361.

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

49.9770, 0.2866, 0.2361

Protanopia

50.1334, 0.2528, 0.2469

Deuteranopia

50.2722, 0.2564, 0.2503



Tritanopia

49.8030, 0.3247, 0.3122

Trichromacy



Original Color

49.9770, 0.2866, 0.2361



Protanomaly

49.7745, 0.2639, 0.2424



Deuteranomaly

49.8968, 0.2665, 0.2447



Tritanomaly

49.8574, 0.3107, 0.2827

Monochromacy



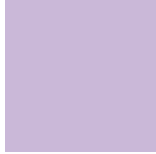
Original Color

49.9770, 0.2866, 0.2361



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.7954, 0.3031, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9770, 0.2866, 0.2361 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(217, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 168, 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(217, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.9770, 0.2866, 0.2361 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(217, 168, 255) }
```

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

```
.border{ border-color:rgb(217, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9770, 0.2866, 0.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 168, 255) }
```

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

```
.background{ background-color: rgb(217,  
168, 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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