

Converting Colors

$Y_{xy}(48.2899, 0.2867, 0.2311)$

Have a look what the booklet for
Yxy(48.2899, 0.2867, 0.2311)
contains.

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Color

Yxy(48.1661, 0.2864, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	D9A3FF
RGB	217, 163, 255
RGB Percent	85%, 64%, 100%
CMY	0.1489, 0.3608, 0.0000
CMYK	0.15, 0.36, 0.00, 0.00
HSL	275°, 100%, 82%
HSV	275°, 36%, 100%
XYZ	59.7694, 48.1661, 100.7565
YIQ	189.6340, 2.6520, 40.0600

Conversions

Conversions Part 2

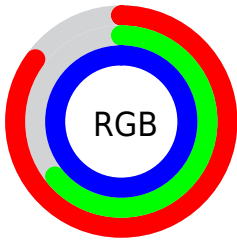
Format	Color
R _Y B	217, 163, 255
Decimal	14263295
CIE Lab	74.93, 36.43, -38.12
CIE LCh	75, 52.728, 313.701
Yxy	48.1661, 0.2864, 0.2308
Android (android.graphics.Color)	4292453375 (0xFFD9A3FF)
YUV	189.6340, 32.2254, 24.0000
Hunter-Lab	69.4018, 32.2724, -37.4951

Details

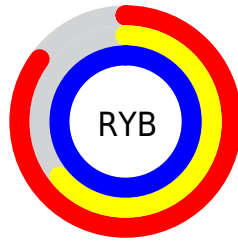
The Yxy color **48.1661, 0.2864, 0.2308** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.5758, 0.3308, 0.4310**, and the grayscale version is **51.0835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **22.8061, 0.2782, 0.2083** is the 20% darker color. If you saturate the color by 10%, you get **38.4461, 0.2766, 0.2020**, and if you desaturate by 10%, it is **59.8179, 0.2951, 0.2596**.

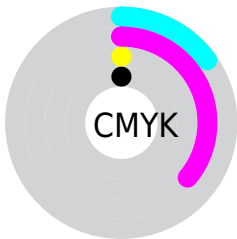
Distribution



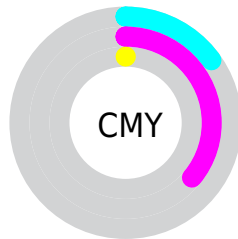
- Red (85%)
- Green (64%)
- Blue (100%)



- Red (85%)
- Yellow (64%)
- Blue (100%)



- Cyan (15%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1661, 0.2864, 0.2308 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 48.1661, 0.2864, 0.2308 by changing the saturation by 10% instead.


 48.1661, 0.2864,
0.2308


 48.1661, 0.2864,
0.2308

379.4501, 0.3004,
0.2756

 33.9584, 0.2828,
0.2209


 87.4517, 0.2916,
0.2461

 22.8617, 0.2782,
0.2088


 113.2984, 0.2935,
0.2521

 14.4914, 0.2720,
0.1938


143.7935, 0.2951,
0.2574

 8.4632, 0.2635,
0.1749

179.3215, 0.2965,
0.2619

 4.3928, 0.2511,
0.1504

220.2668, 0.2977,
0.2659

 1.8956, 0.2321,
0.1183

267.0137, 0.2987,

 0.5457, 0.2019,

0.2695

0.0713

319.9467, 0.2996,
0.2727

0.0000, 0.1239,
0.0000

0.0000, 0.0000,
0.0000

48.1661, 0.2864,
0.2308

48.1661, 0.2864,
0.2308

38.4461, 0.2766,
0.2020

59.8179, 0.2951,
0.2596

30.5404, 0.2660,
0.1743

73.4992, 0.3027,
0.2876

24.3264, 0.2549,
0.1493

89.3073, 0.3093,
0.3139

19.6638, 0.2436,
0.1281

100.0000, 0.3127,
0.3290

■ 16.3884, 0.2326,
0.1119

■ 14.2968, 0.2224,
0.1011

■ 13.6826, 0.2186,
0.0978

Harmonies

Analogous

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



48.1661, 0.2276, 0.2180



48.1661, 0.2864, 0.2308



48.1661, 0.3605, 0.2635

Triad

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



48.1661, 0.2864, 0.2308



48.1661, 0.4425, 0.4166



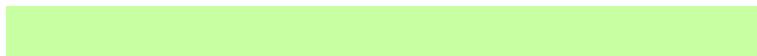
48.1661, 0.2085, 0.3339

Complementary

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



48.1661, 0.2864, 0.2308



86.5758, 0.3308, 0.4310

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.



48.1661, 0.2577, 0.4104



48.1661, 0.2864, 0.2308



48.1661, 0.3930, 0.4556

Square

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



48.1661, 0.2864, 0.2308



48.1661, 0.4569, 0.3639



48.1661, 0.3252, 0.4584



48.1661, 0.1871, 0.2676

Rectangle

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



48.1661, 0.2864, 0.2308



48.1661, 0.4072, 0.2936



48.1661, 0.3252, 0.4584



48.1661, 0.2220, 0.3600

Sweetspot

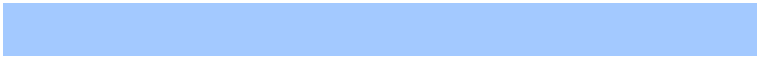
The Sweet Spot groups the original color and five complimentary colors.



48.1679, 0.2864, 0.2308



81.2612, 0.3062, 0.3012



56.9320, 0.2531, 0.2663



16.9383, 0.3053, 0.2976



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.



48.1679, 0.2864, 0.2308



41.2433, 0.2798, 0.2108



54.1872, 0.3230, 0.2459



17.9049, 0.3072, 0.3051



7.2391, 0.2202, 0.0987



0.7689, 0.2313, 0.1048

Inverse Universe

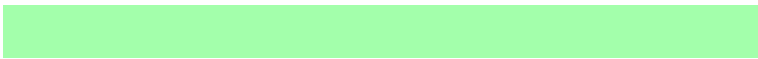
The Inverse Universe completely reimagines the original color for something new.



51.6663, 0.3638, 0.2897



45.3618, 0.3781, 0.2822



82.2329, 0.3037, 0.4292



18.1114, 0.3229, 0.3192



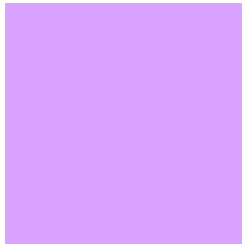
11.6722, 0.5332, 0.2711



1.1576, 0.5035, 0.2548

Previews

White Background



This preview shows how the Yxy color 48.1661, 0.2864, 0.2308 looks on a white background.

Color Contrast Check

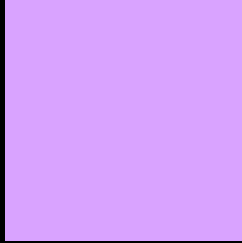
Large Text (above 18pt) WCAG AA × Fail

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 48.1661, 0.2864, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

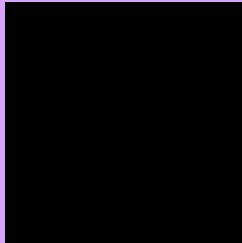
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1661, 0.2864, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 48.1661, 0.2864, 0.2308.



This preview shows how white text looks on a background with the Yxy color 48.1661, 0.2864, 0.2308.

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

48.1661, 0.2864, 0.2308

Protanopia

48.3573, 0.2492, 0.2426

Deuteranopia

48.4203, 0.2533, 0.2469



Tritanopia

48.0338, 0.3285, 0.3121

Trichromacy



Original Color

48.1661, 0.2864, 0.2308



Protanomaly

47.8250, 0.2613, 0.2373



Deuteranomaly

47.8786, 0.2645, 0.2405

Tritanomaly

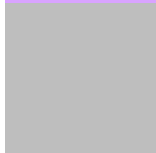
47.8297, 0.3125, 0.2790

Monochromacy



Original Color

48.1661, 0.2864, 0.2308



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.7769, 0.3030, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1661, 0.2864, 0.2308 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, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 163, 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, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.1661, 0.2864, 0.2308 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, 163, 255) }
```

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

```
.border{ border-color:rgb(217, 163, 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, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 163, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 163, 255); box-shadow:4px 4px 4px 4px rgb(217, 163, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1661, 0.2864, 0.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 163, 255) }
```

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

```
.background{ background-color: rgb(217,  
163, 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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