

Converting Colors

$Yxy(48.0337, 0.2862, 0.2309)$

Have a look what the booklet for
Yxy(48.0337, 0.2862, 0.2309)
contains.

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Color

Yxy(48.0133, 0.2856, 0.2306)

Conversions

Conversions Part 1

Format	Color
Hex	D8A3FF
RGB	216, 163, 255
RGB Percent	85%, 64%, 100%
CMY	0.1529, 0.3608, 0.0000
CMYK	0.15, 0.36, 0.00, 0.00
HSL	275°, 100%, 82%
HSV	275°, 36%, 100%
XYZ	59.4649, 48.0133, 100.7322
YIQ	189.3350, 2.0560, 39.8480

Conversions

Conversions Part 2

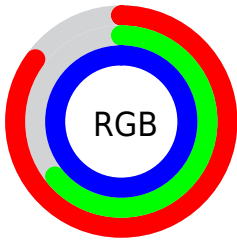
Format	Color
R _Y B	216, 163, 255
Decimal	14197759
CIE Lab	74.83, 36.12, -38.27
CIE LCh	75, 52.621, 313.341
Yxy	48.0133, 0.2856, 0.2306
Android (android.graphics.Color)	4292387839 (0xFFD8A3FF)
YUV	189.3350, 32.3728, 23.3852
Hunter-Lab	69.2916, 31.9252, -37.6882

Details

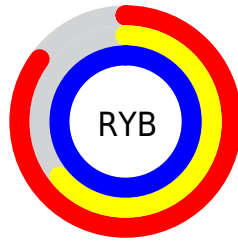
The Yxy color **48.0133, 0.2856, 0.2306** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.7140, 0.3314, 0.4307**, and the grayscale version is **50.9022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **22.7027, 0.2772, 0.2079** is the 20% darker color. If you saturate the color by 10%, you get **38.2621, 0.2756, 0.2016**, and if you desaturate by 10%, it is **59.7021, 0.2946, 0.2596**.

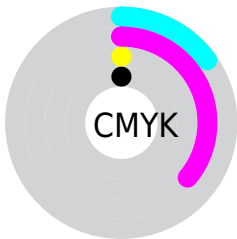
Distribution



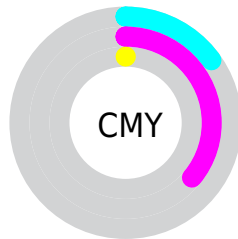
- Red (85%)
- Green (64%)
- Blue (100%)



- 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 48.0133, 0.2856, 0.2306 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 48.0133, 0.2856, 0.2306 by changing the saturation by 10% instead.

 48.0133, 0.2856,
0.2306


 48.0133, 0.2856,
0.2306


378.8448, 0.3000,
0.2755

 33.8374, 0.2819,
0.2206

 87.2242, 0.2909,
0.2460

 22.7687, 0.2772,
0.2085


 113.0280, 0.2929,
0.2520

 14.4228, 0.2708,
0.1935


143.4766, 0.2946,
0.2572

 8.4153, 0.2621,
0.1745

178.9543, 0.2960,
0.2618

 4.3618, 0.2495,
0.1500

219.8457, 0.2972,
0.2658

 1.8780, 0.2301,
0.1177

266.5349, 0.2982,

 0.5351, 0.1994,

0.2694

0.0703

319.4065, 0.2991,
0.2726

0.0000, 0.1185,
0.0000

0.0000, 0.0000,
0.0000

48.0133, 0.2856,
0.2306

48.0133, 0.2856,
0.2306

38.2621, 0.2756,
0.2016

59.7021, 0.2946,
0.2596

30.3302, 0.2646,
0.1738

73.4257, 0.3024,
0.2875

24.0951, 0.2532,
0.1485

89.2818, 0.3092,
0.3139

19.4162, 0.2416,
0.1271

99.9994, 0.3127,
0.3290

■ 16.1294, 0.2304,
0.1108

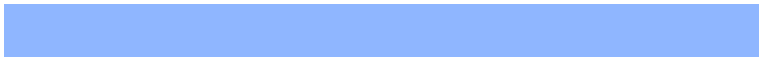
■ 14.0311, 0.2200,
0.0998

■ 13.4144, 0.2162,
0.0964

Harmonies

Analogous

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



48.0133, 0.2272, 0.2181



48.0133, 0.2856, 0.2306



48.0133, 0.3596, 0.2630

Triad

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



48.0133, 0.2856, 0.2306



48.0133, 0.4428, 0.4160



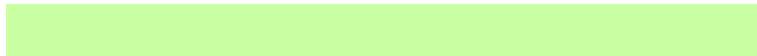
48.0133, 0.2090, 0.3348

Complementary

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



48.0133, 0.2856, 0.2306



86.7140, 0.3314, 0.4307

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.



48.0133, 0.2584, 0.4112



48.0133, 0.2856, 0.2306



48.0133, 0.3937, 0.4552

Square

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



48.0133, 0.2856, 0.2306



48.0133, 0.4567, 0.3632



48.0133, 0.3260, 0.4586



48.0133, 0.1873, 0.2683

Rectangle

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



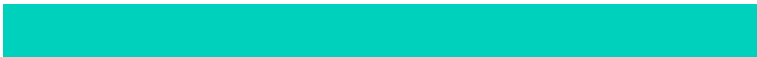
48.0133, 0.2856, 0.2306



48.0133, 0.4063, 0.2930



48.0133, 0.3260, 0.4586



48.0133, 0.2226, 0.3609

Sweetspot

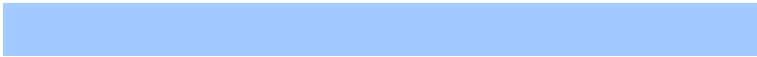
The Sweet Spot groups the original color and five complimentary colors.



48.0153, 0.2856, 0.2306



81.2053, 0.3060, 0.3012



57.6551, 0.2534, 0.2682



16.9250, 0.3051, 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.



48.0153, 0.2856, 0.2306



41.0641, 0.2787, 0.2105



54.2854, 0.3218, 0.2446



17.8945, 0.3070, 0.3051



7.0998, 0.2178, 0.0973



0.7557, 0.2290, 0.1035

Inverse Universe

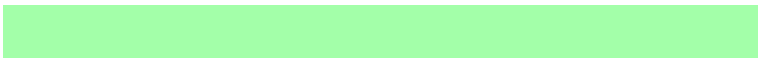
The Inverse Universe completely reimagines the original color for something new.



51.7186, 0.3628, 0.2887



45.4159, 0.3768, 0.2809



82.1708, 0.3045, 0.4311



18.1149, 0.3227, 0.3190



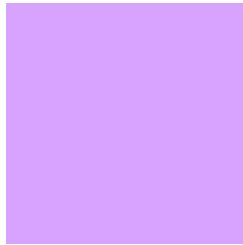
11.7038, 0.5286, 0.2685



1.1609, 0.4994, 0.2525

Previews

White Background



This preview shows how the Yxy color 48.0133, 0.2856, 0.2306 looks on a white background.

Color Contrast Check

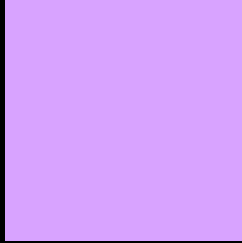
Large Text (above 18pt) WCAG AA × Fail

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 48.0133, 0.2856, 0.2306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

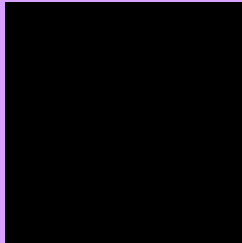
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0133, 0.2856, 0.2306

Background



This preview shows how black text looks on a background with the Yxy color 48.0133, 0.2856, 0.2306.



This preview shows how white text looks on a background with the Yxy color 48.0133, 0.2856, 0.2306.

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

48.0133, 0.2856, 0.2306

Protanopia

48.3573, 0.2492, 0.2426

Deuteranopia

48.3134, 0.2526, 0.2468



Tritanopia

47.8902, 0.3276, 0.3120

Trichromacy



Original Color

48.0133, 0.2856, 0.2306



Protanomaly

47.8250, 0.2613, 0.2373



Deuteranomaly

47.7555, 0.2638, 0.2403



Tritanomaly

47.6825, 0.3116, 0.2789

Monochromacy



Original Color

48.0133, 0.2856, 0.2306



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.5887, 0.3030, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0133, 0.2856, 0.2306 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(216, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.0133, 0.2856, 0.2306 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(216, 163, 255) }
```

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

```
.border{ border-color:rgb(216, 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(216, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0133, 0.2856, 0.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 163, 255) }
```

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

```
.background{ background-color: rgb(216,  
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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