

Converting Colors

$Y_{xy}(57.0900, 0.2815, 0.2573)$

Have a look what the booklet for
Yxy(57.0900, 0.2815, 0.2573)
contains.

Yxy(57.1705, 0.2816, 0.2575)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.1705, 0.2816, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	D1BDFF
RGB	209, 189, 255
RGB Percent	82%, 74%, 100%
CMY	0.1807, 0.2587, 0.0001
CMYK	0.18, 0.26, 0.00, 0.00
HSL	258°, 100%, 87%
HSV	258°, 26%, 100%
XYZ	62.5212, 57.1705, 102.3296
YIQ	202.5040, -9.2660, 24.7660

Conversions

Conversions Part 2

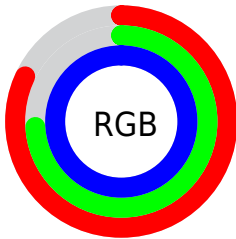
Format	Color
R _{YB}	209, 189, 255
Decimal	13745663
CIE _{Lab}	80.28, 19.86, -29.91
CIE _{LCh}	80, 35.907, 303.586
Yxy	57.1705, 0.2816, 0.2575
Android (android.graphics.Color)	4291935743 (0xFFD1BDFF)
YUV	202.5040, 25.8805, 5.6970
Hunter-Lab	75.6112, 15.2782, -27.3133

Details

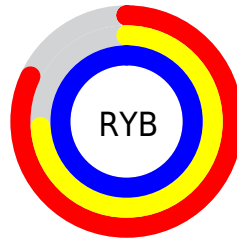
The Yxy color **57.1705, 0.2816, 0.2575** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.8622, 0.3386, 0.3968**, and the grayscale version is **59.2289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7848, 0.3132, 0.3194**, and **28.5556, 0.2737, 0.2418** is the 20% darker color. If you saturate the color by 10%, you get **44.6948, 0.2666, 0.2259**, and if you desaturate by 10%, it is **71.8696, 0.2950, 0.2872**.

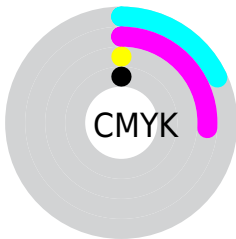
Distribution



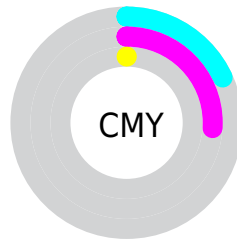
- Red (82%)
- Green (74%)
- Blue (100%)



- Red (82%)
- Yellow (74%)
- Blue (100%)



- Cyan (18%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1705, 0.2816, 0.2575 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 57.1705, 0.2816, 0.2575 by changing the saturation by 10% instead.

 57.1705, 0.2816,
0.2575

 57.1705, 0.2816,
0.2575


414.0879, 0.2969,
0.2903

 41.1421, 0.2779,
0.2501


 100.7139, 0.2871,
0.2688

 28.4302, 0.2733,
0.2411


128.9978, 0.2891,
0.2732

 18.6502, 0.2673,
0.2299


162.1356, 0.2909,
0.2770

 11.4178, 0.2593,
0.2154

200.5118, 0.2924,
0.2803

 6.3486, 0.2481,
0.1963

244.5107, 0.2938,
0.2833

 3.0582, 0.2315,
0.1701

294.5168, 0.2949,

 1.1622, 0.2051,

0.2859

0.1329

350.9144, 0.2960,
0.2882

0.0305, 0.1608,
0.0095

0.0000, 0.0000,
0.0000

57.1705, 0.2816,
0.2575

57.1705, 0.2816,
0.2575

44.6948, 0.2666,
0.2259

71.8696, 0.2950,
0.2872

34.3251, 0.2502,
0.1932

88.8878, 0.3066,
0.3143

25.9436, 0.2329,
0.1611

99.9987, 0.3127,
0.3290

19.4176, 0.2155,
0.1312

■ 14.5979, 0.1990,
0.1058

■ 11.3110, 0.1845,
0.0864

■ 9.3436, 0.1727,
0.0739

■ 8.7910, 0.1687,
0.0703

Harmonies

Analogous

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



57.1705, 0.2462, 0.2549



57.1705, 0.2816, 0.2575



57.1705, 0.3281, 0.2760

Triad

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



57.1705, 0.2816, 0.2575



57.1705, 0.4040, 0.3795



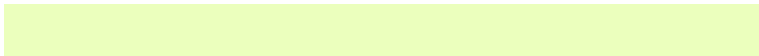
57.1705, 0.2536, 0.3498

Complementary

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



57.1705, 0.2816, 0.2575



92.8622, 0.3386, 0.3968

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.



57.1705, 0.2926, 0.3922



57.1705, 0.2816, 0.2575



57.1705, 0.3801, 0.4065

Square

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



57.1705, 0.2816, 0.2575



57.1705, 0.4019, 0.3432



57.1705, 0.3390, 0.4132



57.1705, 0.2310, 0.3042

Rectangle

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



57.1705, 0.2816, 0.2575



57.1705, 0.3594, 0.2952



57.1705, 0.3390, 0.4132



57.1705, 0.2651, 0.3653

Sweetspot

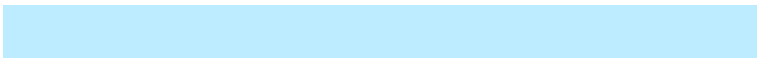
The Sweet Spot groups the original color and five complimentary colors.



57.1728, 0.2816, 0.2575



85.0646, 0.3043, 0.3088



77.5718, 0.2727, 0.3074



17.6431, 0.3026, 0.3048



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.



57.1728, 0.2816, 0.2575



50.5002, 0.2741, 0.2414



62.4701, 0.3058, 0.2624



17.6431, 0.3026, 0.3048



4.6618, 0.1702, 0.0711



0.5080, 0.1819, 0.0776

Inverse Universe

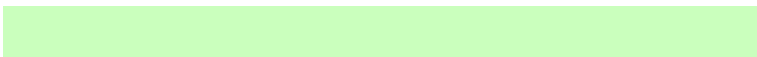
The Inverse Universe completely reimagines the original color for something new.



63.6712, 0.3306, 0.2828



58.0702, 0.3351, 0.2733



87.7709, 0.3173, 0.4015



18.2016, 0.3184, 0.3125



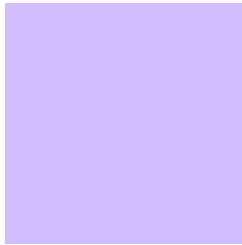
12.8188, 0.4154, 0.2062



1.2675, 0.4020, 0.1988

Previews

White Background



This preview shows how the Yxy color 57.1705, 0.2816, 0.2575 looks on a white background.

Color Contrast Check

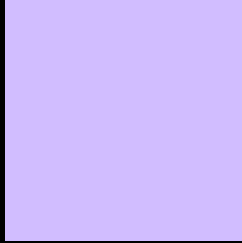
Large Text (above 18pt) WCAG AA × Fail

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 57.1705, 0.2816, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

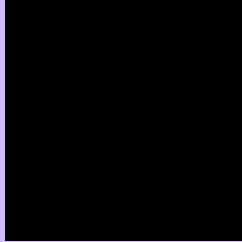
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.1705, 0.2816, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 57.1705, 0.2816, 0.2575.

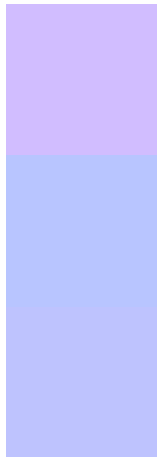


This preview shows how white text looks on a background with the Yxy color 57.1705, 0.2816, 0.2575.

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

57.1705, 0.2816, 0.2575

Protanopia

57.3429, 0.2654, 0.2633

Deuteranopia

57.1331, 0.2696, 0.2627



Tritanopia

57.1035, 0.3050, 0.3114

Trichromacy



Original Color

57.1705, 0.2816, 0.2575

Protanomaly

57.1410, 0.2710, 0.2609

Deuteranomaly

57.1660, 0.2742, 0.2613

Tritanomaly

57.0224, 0.2961, 0.2901

Monochromacy



Original Color

57.1705, 0.2816, 0.2575

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

58.1321, 0.3017, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1705, 0.2816, 0.2575 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(209, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 189, 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(209, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.1705, 0.2816, 0.2575 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(209, 189, 255) }
```

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

```
.border{ border-color:rgb(209, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1705, 0.2816, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 189, 255) }
```

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

```
.background{ background-color: rgb(209,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor