

Converting Colors

$Y_{xy}(67.5320, 0.2953, 0.2886)$

Have a look what the booklet for
Yxy(67.5320, 0.2953, 0.2886)
contains.

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Color

Yxy(67.5320, 0.2953, 0.2886)

Conversions

Conversions Part 1

Format	Color
Hex	DCD1F7
RGB	220, 209, 247
RGB Percent	86%, 82%, 97%
CMY	0.1373, 0.1804, 0.0315
CMYK	0.11, 0.15, 0.00, 0.03
HSL	257°, 70%, 89%
HSV	257°, 15%, 97%
XYZ	69.0998, 67.5320, 97.3668
YIQ	216.6210, -5.6420, 14.1500

Conversions

Conversions Part 2

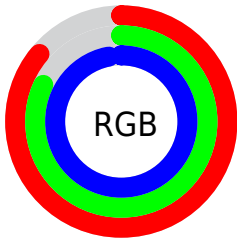
Format	Color
R _{YB}	220, 209, 247
Decimal	14471671
CIE Lab	85.77, 10.92, -17.22
CIE LCh	86, 20.386, 302.381
Yxy	67.5320, 0.2953, 0.2886
Android (android.graphics.Color)	4292661751 (0xFFDCD1F7)
YUV	216.6210, 14.9768, 2.9634
Hunter-Lab	82.1779, 6.2817, -12.7241

Details

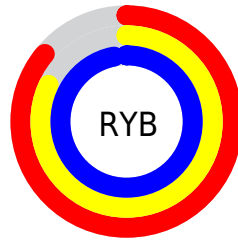
The Yxy color $67.5320, 0.2953, 0.2886$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $88.9403, 0.3284, 0.3681$, and the grayscale version is $69.0145, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.2036, 0.2908, 0.2794$ is the 20% darker color. If you saturate the color by 10%, you get $53.7439, 0.2818, 0.2590$, and if you desaturate by 10%, it is $83.4917, 0.3071, 0.3156$.

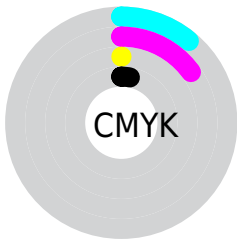
Distribution



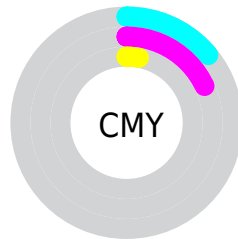
- Red (86%)
- Green (82%)
- Blue (97%)



- Red (86%)
- Yellow (82%)
- Blue (97%)



- Cyan (11%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (14%)
- Magenta (18%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5320, 0.2953, 0.2886 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 67.5320, 0.2953, 0.2886 by changing the saturation by 10% instead.

67.5320, 0.2953,
0.2886

67.5320, 0.2953,
0.2886

451.8361, 0.3036,
0.3071

49.5171, 0.2934,
0.2844

115.6824, 0.2982,
0.2950

35.0298, 0.2909,
0.2793

146.5866, 0.2993,
0.2974

23.6859, 0.2878,
0.2729

182.5561, 0.3003,
0.2996

15.1008, 0.2837,
0.2646

223.9753, 0.3011,
0.3015

8.8901, 0.2780,
0.2535

271.2285, 0.3019,
0.3031

4.6696, 0.2697,
0.2378

324.7000, 0.3025,

2.0547, 0.2563,

0.3046

0.2142

384.7745, 0.3031,
0.3059

0.6390, 0.2333,
0.1705

0.0000, 0.0000,
0.0000

67.5320, 0.2953,
0.2886

67.5320, 0.2953,
0.2886

53.7439, 0.2818,
0.2590

83.4917, 0.3071,
0.3156

42.0238, 0.2666,
0.2274

99.4938, 0.3174,
0.3367

32.2723, 0.2501,
0.1947

24.3783, 0.2326,
0.1624

■ 18.2191, 0.2150,
0.1322

■ 13.6572, 0.1984,
0.1064

■ 10.5330, 0.1837,
0.0865

■ 8.6513, 0.1719,
0.0737

■ 8.0716, 0.1674,
0.0696

Harmonies

Analogous

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



67.5320, 0.2755, 0.2882



67.5320, 0.2953, 0.2886



67.5320, 0.3205, 0.2988

Triad

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



67.5320, 0.2953, 0.2886



67.5320, 0.3620, 0.3572



67.5320, 0.2814, 0.3414

Complementary

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



67.5320, 0.2953, 0.2886



88.9403, 0.3284, 0.3681

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.



67.5320, 0.3036, 0.3623



67.5320, 0.2953, 0.2886



67.5320, 0.3504, 0.3708

Square

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



67.5320, 0.2953, 0.2886



67.5320, 0.3598, 0.3373



67.5320, 0.3288, 0.3731



67.5320, 0.2678, 0.3177

Rectangle

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



67.5320, 0.2953, 0.2886



67.5320, 0.3370, 0.3098



67.5320, 0.3288, 0.3731



67.5320, 0.2881, 0.3491

Sweetspot

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



67.5348, 0.2953, 0.2886



90.4552, 0.3075, 0.3165



80.3869, 0.2889, 0.3175



19.0845, 0.3067, 0.3147



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.



67.5348, 0.2953, 0.2886



68.4604, 0.2919, 0.2810



70.6266, 0.3086, 0.2902



16.1590, 0.3024, 0.3048



4.3324, 0.1689, 0.0704



0.4311, 0.1818, 0.0775

Inverse Universe

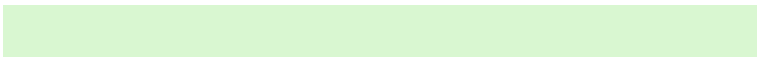
The Inverse Universe completely reimagines the original color for something new.



71.4306, 0.3221, 0.3016



73.3037, 0.3240, 0.2967



85.8975, 0.3161, 0.3696



16.6817, 0.3182, 0.3123



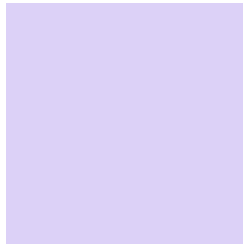
12.1314, 0.4107, 0.2036



1.0840, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 67.5320, 0.2953, 0.2886 looks on a white background.

Color Contrast Check

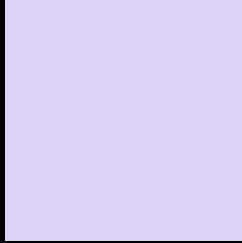
Large Text (above 18pt) WCAG AA × Fail

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 67.5320, 0.2953, 0.2886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

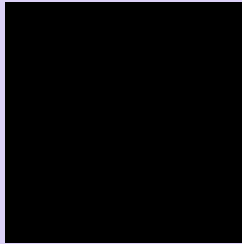
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5320, 0.2953, 0.2886

Background



This preview shows how black text looks on a background with the Yxy color 67.5320, 0.2953, 0.2886.

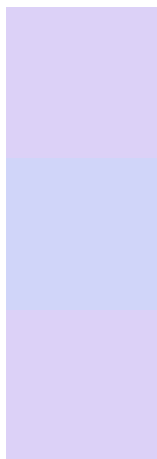


This preview shows how white text looks on a background with the Yxy color 67.5320, 0.2953, 0.2886.

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

67.5320, 0.2953, 0.2886

Protanopia

67.8379, 0.2860, 0.2900

Deuteranopia

67.5320, 0.2953, 0.2886



Tritanopia

67.4958, 0.3049, 0.3104

Trichromacy



Original Color

67.5320, 0.2953, 0.2886

Protanomaly

67.8613, 0.2892, 0.2902

Deuteranomaly

67.5320, 0.2953, 0.2886

Tritanomaly

67.5501, 0.3010, 0.3019

Monochromacy



Original Color

67.5320, 0.2953, 0.2886

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.6000, 0.3062, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5320, 0.2953, 0.2886 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(220, 209, 247)` looks like.

```
.text, #text, p{  
    color:rgb(220, 209, 247)  
}
```

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(220, 209, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 209, 247) }
```

Border

The CSS property to change the border of an element to Yxy 67.5320, 0.2953, 0.2886 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(220, 209, 247) }
```

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

```
.border{ border-color:rgb(220, 209, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 209, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 209, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 209, 247);  
box-shadow:4px 4px 4px 4px rgb(220, 209,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5320, 0.2953, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 209, 247) }
```

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

```
.background{ background-color: rgb(220,  
209, 247) }
```

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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