

Converting Colors

$Y_{xy}(65.2375, 0.2865, 0.2756)$

Have a look what the booklet for
Yxy(65.2375, 0.2865, 0.2756)
contains.

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Color

Yxy(65.3297, 0.2867, 0.2758)

Conversions

Conversions Part 1

Format	Color
Hex	D7CDFF
RGB	215, 205, 255
RGB Percent	84%, 80%, 100%
CMY	0.1567, 0.1961, 0.0000
CMYK	0.16, 0.20, 0.00, 0.00
HSL	252°, 100%, 90%
HSV	252°, 20%, 100%
XYZ	67.9116, 65.3297, 103.6321
YIQ	213.6900, -10.0900, 17.6700

Conversions

Conversions Part 2

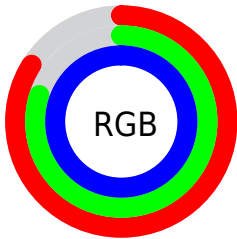
Format	Color
R _Y B	215, 205, 255
Decimal	14142975
CIE _{Lab}	84.65, 13.15, -23.19
CIE _{LCh}	85, 26.659, 299.548
Y _{xy}	65.3297, 0.2867, 0.2758
Android (android.graphics.Color)	4292333055 (0xFFD7CDFF)
Y _{UV}	213.6900, 20.3658, 1.1489
Hunter-Lab	80.8268, 8.5309, -19.4400

Details

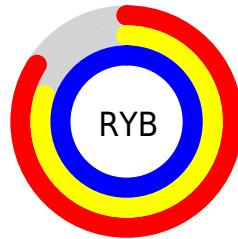
The Yxy color $65.3297, 0.2867, 0.2758$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.3281, 0.3357, 0.3791$, and the grayscale version is $66.8959, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.6840, 0.2805, 0.2642$ is the 20% darker color. If you saturate the color by 10%, you get $51.2152, 0.2707, 0.2446$, and if you desaturate by 10%, it is $81.8218, 0.3009, 0.3044$.

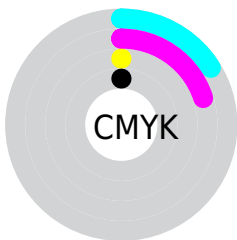
Distribution



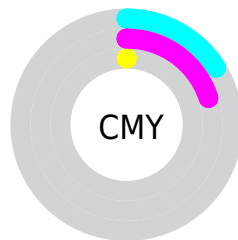
- Red (84%)
- Green (80%)
- Blue (100%)



- Red (84%)
- Yellow (80%)
- Blue (100%)



- Cyan (16%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3297, 0.2867, 0.2758 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 65.3297, 0.2867, 0.2758 by changing the saturation by 10% instead.

65.3297, 0.2867,
0.2758

65.3297, 0.2867,
0.2758

443.9758, 0.2991,
0.3001

47.7285, 0.2838,
0.2704

112.5237, 0.2911,
0.2841

33.6119, 0.2802,
0.2637

142.8853, 0.2927,
0.2874

22.5956, 0.2756,
0.2554

178.2692, 0.2942,
0.2902

14.2952, 0.2694,
0.2447

219.0596, 0.2954,
0.2927

8.3263, 0.2610,
0.2304

265.6411, 0.2965,
0.2949

4.3044, 0.2487,
0.2106

318.3981, 0.2975,

1.8453, 0.2294,

0.2968

0.1816

377.7148, 0.2983,
0.2985

0.5152, 0.1980,
0.1259

0.0000, 0.0000,
0.0000

65.3297, 0.2867,
0.2758

65.3297, 0.2867,
0.2758

51.2152, 0.2707,
0.2446

81.8218, 0.3009,
0.3044

39.3600, 0.2531,
0.2114

99.9996, 0.3127,
0.3290

29.6478, 0.2343,
0.1775

21.9483, 0.2152,
0.1447

■ 16.1171, 0.1970,
0.1152

■ 11.9900, 0.1808,
0.0912

■ 9.3730, 0.1680,
0.0745

■ 7.9713, 0.1589,
0.0650

■ 7.9286, 0.1586,
0.0647

Harmonies

Analogous

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



65.3297, 0.2621, 0.2762



65.3297, 0.2867, 0.2758



65.3297, 0.3195, 0.2879

Triad

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



65.3297, 0.2867, 0.2758



65.3297, 0.3785, 0.3632



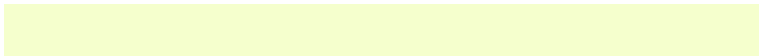
65.3297, 0.2737, 0.3483

Complementary

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



65.3297, 0.2867, 0.2758



95.3281, 0.3357, 0.3791

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.



65.3297, 0.3034, 0.3758



65.3297, 0.2867, 0.2758



65.3297, 0.3644, 0.3828

Square

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



65.3297, 0.2867, 0.2758



65.3297, 0.3740, 0.3366



65.3297, 0.3366, 0.3884



65.3297, 0.2550, 0.3163

Rectangle

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



65.3297, 0.2867, 0.2758



65.3297, 0.3418, 0.3016



65.3297, 0.3366, 0.3884



65.3297, 0.2827, 0.3586

Sweetspot

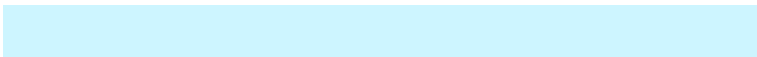
The Sweet Spot groups the original color and five complimentary colors.



65.3324, 0.2867, 0.2758



88.3778, 0.3055, 0.3139



85.4995, 0.2826, 0.3185



18.6574, 0.3047, 0.3122



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.



65.3324, 0.2867, 0.2758



58.8490, 0.2799, 0.2624



69.4044, 0.3042, 0.2785



17.5533, 0.3010, 0.3046



4.1923, 0.1597, 0.0654



0.4514, 0.1696, 0.0708

Inverse Universe

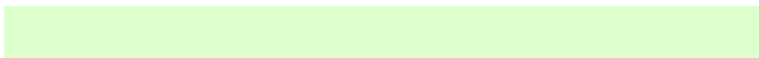
The Inverse Universe completely reimagines the original color for something new.



71.5092, 0.3220, 0.2895



66.2083, 0.3245, 0.2804



91.1386, 0.3195, 0.3817



18.2342, 0.3169, 0.3102



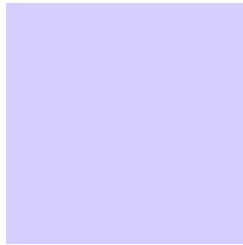
13.4038, 0.3794, 0.1864



1.3202, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 65.3297, 0.2867, 0.2758 looks on a white background.

Color Contrast Check

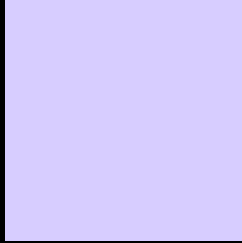
Large Text (above 18pt) WCAG AA × Fail

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 65.3297, 0.2867, 0.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

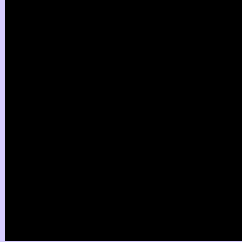
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.3297, 0.2867, 0.2758

Background



This preview shows how black text looks on a background with the Yxy color 65.3297, 0.2867, 0.2758.

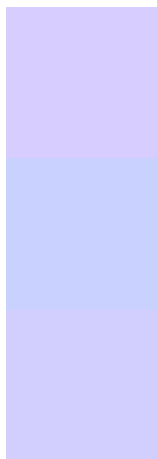


This preview shows how white text looks on a background with the Yxy color 65.3297, 0.2867, 0.2758.

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

65.3297, 0.2867, 0.2758

Protanopia

65.2384, 0.2776, 0.2789

Deuteranopia

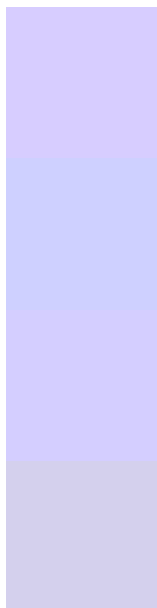
65.5473, 0.2834, 0.2775



Tritanopia

65.3409, 0.3012, 0.3100

Trichromacy



Original Color

65.3297, 0.2867, 0.2758

Protanomaly

65.4536, 0.2808, 0.2782

Deuteranomaly

65.3597, 0.2847, 0.2766

Tritanomaly

65.2232, 0.2961, 0.2971

Monochromacy



Original Color

65.3297, 0.2867, 0.2758

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.5418, 0.3028, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3297, 0.2867, 0.2758 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(215, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 205, 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(215, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.3297, 0.2867, 0.2758 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(215, 205, 255) }
```

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

```
.border{ border-color:rgb(215, 205, 255) }
```

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

Here you see how a box with a 4 pixel rgb(215, 205, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3297, 0.2867, 0.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 205, 255) }
```

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

```
.background{ background-color: rgb(215,  
205, 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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