

Converting Colors

$Yxy(66.8960, 0.2801, 0.2676)$

Have a look what the booklet for
Yxy(66.8960, 0.2801, 0.2676)
contains.

Yxy(66.2927, 0.2868, 0.2780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.2927, 0.2868, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	D7CFFF
RGB	215, 207, 255
RGB Percent	84%, 81%, 100%
CMY	0.1567, 0.1882, 0.0001
CMYK	0.16, 0.19, 0.00, 0.00
HSL	250°, 100%, 91%
HSV	250°, 19%, 100%
XYZ	68.3912, 66.2927, 103.7791
YIQ	214.8640, -10.6400, 16.6240

Conversions

Conversions Part 2

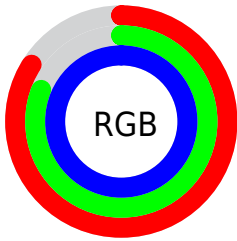
Format	Color
R _Y B	215, 207, 255
Decimal	14143487
CIE _{Lab}	85.15, 12.08, -22.44
CIE _{LCh}	85, 25.479, 298.290
Y _{xy}	66.2927, 0.2868, 0.2780
Android (android.graphics.Color)	4292333567 (0xFFD7CFFF)
YUV	214.8640, 19.7870, 0.1193
Hunter-Lab	81.4203, 7.4503, -18.5773

Details

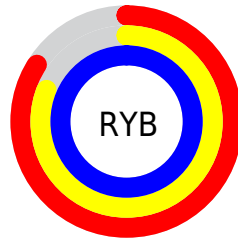
The Yxy color **66.2927, 0.2868, 0.2780** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.7741, 0.3358, 0.3768**, and the grayscale version is **67.7313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.3333, 0.2806, 0.2670** is the 20% darker color. If you saturate the color by 10%, you get **51.9140, 0.2703, 0.2467**, and if you desaturate by 10%, it is **83.0888, 0.3014, 0.3065**.

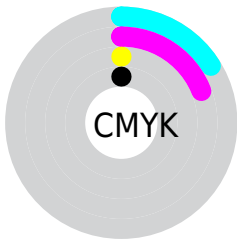
Distribution



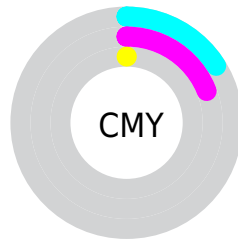
- Red (84%)
- Green (81%)
- Blue (100%)



- Red (84%)
- Yellow (81%)
- Blue (100%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2927, 0.2868, 0.2780 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 66.2927, 0.2868, 0.2780 by changing the saturation by 10% instead.

66.2927, 0.2868,
0.2780

66.2927, 0.2868,
0.2780

447.4229, 0.2991,
0.3012

48.5100, 0.2839,
0.2728

113.9063, 0.2911,
0.2860

34.2310, 0.2804,
0.2664

144.5061, 0.2928,
0.2891

23.0711, 0.2758,
0.2584

180.1470, 0.2942,
0.2918

14.6460, 0.2698,
0.2482

221.2135, 0.2954,
0.2942

8.5713, 0.2615,
0.2345

268.0900, 0.2965,
0.2963

4.4627, 0.2495,
0.2155

321.1608, 0.2975,

1.9356, 0.2307,

0.2981

0.1875

380.8103, 0.2983,
0.2998

■ 0.5696, 0.1998,
0.1361

■ 0.0000, 0.0000,
0.0000

■ 66.2927, 0.2868,
0.2780

■ 66.2927, 0.2868,
0.2780

■ 51.9140, 0.2703,
0.2467

■ 83.0888, 0.3014,
0.3065

■ 39.8328, 0.2521,
0.2133

99.9986, 0.3127,
0.3290

■ 29.9317, 0.2328,
0.1790

■ 22.0790, 0.2133,
0.1457

■ 16.1292, 0.1947,
0.1156

■ 11.9168, 0.1784,
0.0910

■ 9.2475, 0.1656,
0.0738

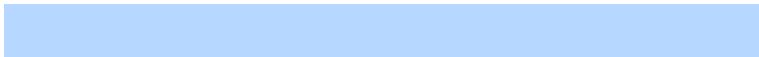
■ 7.8470, 0.1570,
0.0643

■ 7.7259, 0.1562,
0.0634

Harmonies

Analogous

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



66.2927, 0.2638, 0.2790



66.2927, 0.2868, 0.2780



66.2927, 0.3179, 0.2891

Triad

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



66.2927, 0.2868, 0.2780



66.2927, 0.3755, 0.3608



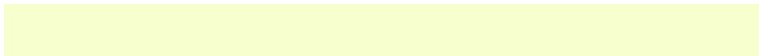
66.2927, 0.2766, 0.3487

Complementary

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



66.2927, 0.2868, 0.2780



95.7741, 0.3358, 0.3768

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.



66.2927, 0.3052, 0.3742



66.2927, 0.2868, 0.2780



66.2927, 0.3628, 0.3797

Square

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



66.2927, 0.2868, 0.2780



66.2927, 0.3704, 0.3353



66.2927, 0.3368, 0.3855



66.2927, 0.2581, 0.3182

Rectangle

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



66.2927, 0.2868, 0.2780



66.2927, 0.3391, 0.3020



66.2927, 0.3368, 0.3855



66.2927, 0.2853, 0.3583

Sweetspot

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



66.2954, 0.2868, 0.2780



88.2875, 0.3052, 0.3139



86.9936, 0.2839, 0.3206



18.6362, 0.3043, 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.



66.2954, 0.2868, 0.2780



60.0047, 0.2801, 0.2652



70.1911, 0.3035, 0.2805



17.5239, 0.3005, 0.3046



4.0803, 0.1572, 0.0640



0.4363, 0.1662, 0.0689

Inverse Universe

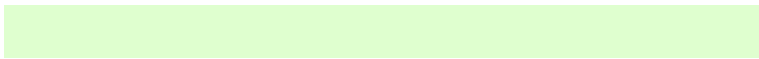
The Inverse Universe completely reimagines the original color for something new.



72.5920, 0.3205, 0.2896



67.5012, 0.3225, 0.2806



91.6972, 0.3203, 0.3792



18.2450, 0.3164, 0.3094



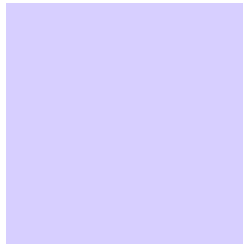
13.6194, 0.3685, 0.1804



1.3393, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 66.2927, 0.2868, 0.2780 looks on a white background.

Color Contrast Check

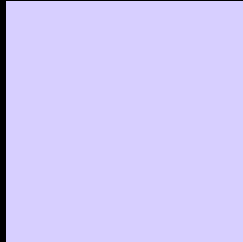
Large Text (above 18pt) WCAG AA × Fail

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 66.2927, 0.2868, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

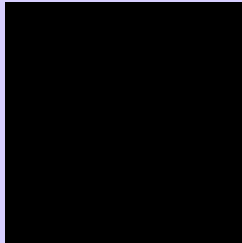
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2927, 0.2868, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 66.2927, 0.2868, 0.2780.

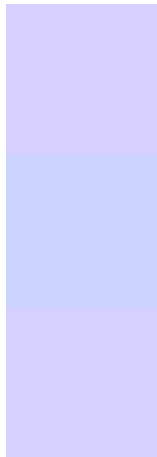


This preview shows how white text looks on a background with the Yxy color 66.2927, 0.2868, 0.2780.

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

66.2927, 0.2868, 0.2780

Protanopia

66.5050, 0.2790, 0.2813

Deuteranopia

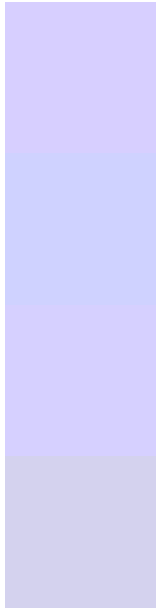
66.4779, 0.2855, 0.2789



Tritanopia

66.3900, 0.3006, 0.3112

Trichromacy



Original Color

66.2927, 0.2868, 0.2780

Protanomaly

66.5786, 0.2816, 0.2805

Deuteranomaly

66.6279, 0.2861, 0.2790

Tritanomaly

66.2633, 0.2955, 0.2983

Monochromacy



Original Color

66.2927, 0.2868, 0.2780

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.2472, 0.3028, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2927, 0.2868, 0.2780 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 207, 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, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.2927, 0.2868, 0.2780 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, 207, 255) }
```

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

```
.border{ border-color:rgb(215, 207, 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, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2927, 0.2868, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 207, 255) }
```

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

```
.background{ background-color: rgb(215,  
207, 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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