

Converting Colors

$Yxy(71.7125, 0.2719, 0.2702)$

Have a look what the booklet for
Yxy(71.7125, 0.2719, 0.2702)
contains.

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Color

Yxy(70.2556, 0.2827, 0.2883)

Conversions

Conversions Part 1

Format	Color
Hex	D0D9FF
RGB	208, 217, 255
RGB Percent	82%, 85%, 100%
CMY	0.1840, 0.1491, 0.0000
CMYK	0.18, 0.15, 0.00, 0.00
HSL	229°, 100%, 91%
HSV	229°, 18%, 100%
XYZ	68.8909, 70.2556, 104.5427
YIQ	218.6410, -17.5620, 9.9100

Conversions

Conversions Part 2

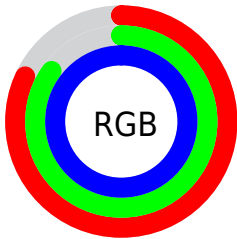
Format	Color
R _Y B	208, 216, 255
Decimal	13687295
CIE _{Lab}	87.12, 4.64, -19.51
CIE _{LCh}	87, 20.055, 283.390
Yxy	70.2556, 0.2827, 0.2883
Android (android.graphics.Color)	4291877375 (0xFFD0D9FF)
YUV	218.6410, 17.9250, -9.3322
Hunter-Lab	83.8186, 0.0275, -15.2764

Details

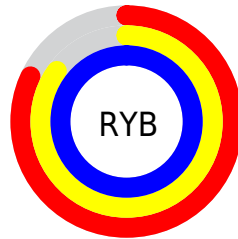
The Yxy color **70.2556, 0.2827, 0.2883** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.7840, 0.3420, 0.3667**, and the grayscale version is **70.4680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6902, 0.2756, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **56.8620, 0.2644, 0.2624**, and if you desaturate by 10%, it is **85.5813, 0.2997, 0.3116**.

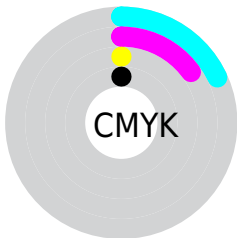
Distribution



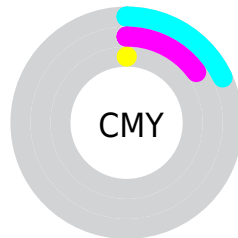
- Red (82%)
- Green (85%)
- Blue (100%)



- Red (82%)
- Yellow (85%)
- Blue (100%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2556, 0.2827, 0.2883 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 70.2556, 0.2827, 0.2883 by changing the saturation by 10% instead.

■ 70.2556, 0.2827,
0.2883

■ 70.2556, 0.2827,
0.2883

461.4470, 0.2966,
0.3069

■ 51.7349, 0.2795,
0.2841

119.5732, 0.2875,
0.2947

■ 36.7938, 0.2756,
0.2790

151.1389, 0.2894,
0.2972

■ 25.0479, 0.2706,
0.2725

187.8218, 0.2910,
0.2994

■ 16.1128, 0.2642,
0.2642

230.0061, 0.2924,
0.3013

■ 9.6040, 0.2554,
0.2530

278.0765, 0.2937,
0.3029

■ 5.1372, 0.2429,
0.2373

332.4171, 0.2948,

■ 2.3280, 0.2238,

0.3044

0.2139

393.4125, 0.2958,
0.3057

0.7885, 0.1918,
0.1752

0.0000, 0.0000,
0.0000

70.2556, 0.2827,
0.2883

70.2556, 0.2827,
0.2883

56.8620, 0.2644,
0.2624

85.5813, 0.2997,
0.3116

45.3159, 0.2450,
0.2341

100.0000, 0.3127,
0.3290

35.5370, 0.2252,
0.2040

27.4360, 0.2059,
0.1734

■ 20.9160, 0.1882,
0.1437

■ 15.8690, 0.1733,
0.1168

■ 12.1732, 0.1622,
0.0944

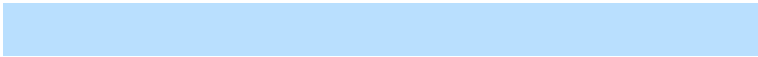
■ 9.6772, 0.1552,
0.0778

■ 9.3682, 0.1544,
0.0756

Harmonies

Analogous

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



70.2556, 0.2692, 0.2945



70.2556, 0.2827, 0.2883



70.2556, 0.3045, 0.2923

Triad

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



70.2556, 0.2827, 0.2883



70.2556, 0.3608, 0.3446



70.2556, 0.2953, 0.3547

Complementary

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



70.2556, 0.2827, 0.2883



91.7840, 0.3420, 0.3667

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.



70.2556, 0.3194, 0.3694



70.2556, 0.2827, 0.2883



70.2556, 0.3578, 0.3623

Square

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



70.2556, 0.2827, 0.2883



70.2556, 0.3503, 0.3239



70.2556, 0.3425, 0.3718



70.2556, 0.2763, 0.3325

Rectangle

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



70.2556, 0.2827, 0.2883



70.2556, 0.3211, 0.3001



70.2556, 0.3425, 0.3718



70.2556, 0.3030, 0.3607

Sweetspot

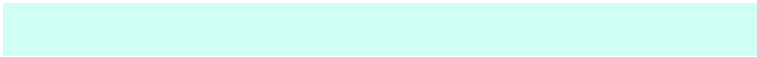
The Sweet Spot groups the original color and five complimentary colors.



70.2580, 0.2827, 0.2883



89.5578, 0.3035, 0.3167



91.5708, 0.2899, 0.3387



18.9352, 0.3025, 0.3154



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.



70.2580, 0.2827, 0.2883



65.2206, 0.2763, 0.2793



67.9213, 0.2917, 0.2799



17.9357, 0.2979, 0.3091



5.0534, 0.1549, 0.0777



0.6328, 0.1601, 0.0964

Inverse Universe

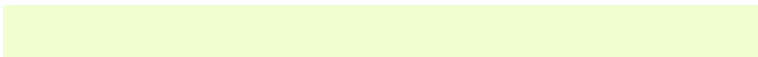
The Inverse Universe completely reimagines the original color for something new.



71.4167, 0.3421, 0.3200



66.6917, 0.3493, 0.3182



94.7648, 0.3312, 0.3764



18.0434, 0.3264, 0.3245



11.2381, 0.6106, 0.3137



1.1084, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 70.2556, 0.2827, 0.2883 looks on a white background.

Color Contrast Check

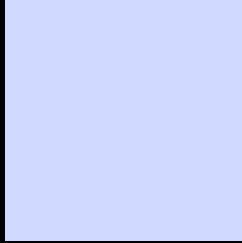
Large Text (above 18pt) WCAG AA × Fail

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 70.2556, 0.2827, 0.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

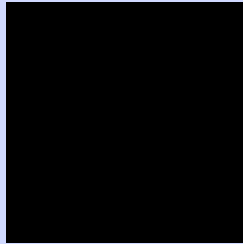
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2556, 0.2827, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 70.2556, 0.2827, 0.2883.

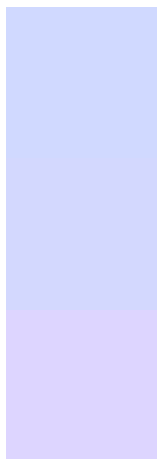


This preview shows how white text looks on a background with the Yxy color 70.2556, 0.2827, 0.2883.

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

70.2556, 0.2827, 0.2883

Protanopia

70.1164, 0.2851, 0.2885

Deuteranopia

70.1807, 0.2911, 0.2850



Tritanopia

70.2800, 0.2916, 0.3102

Trichromacy



Original Color

70.2556, 0.2827, 0.2883

Protanomaly

69.9691, 0.2845, 0.2884

Deuteranomaly

69.9121, 0.2877, 0.2857

Tritanomaly

70.3165, 0.2880, 0.3017

Monochromacy



Original Color

70.2556, 0.2827, 0.2883

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.4161, 0.3015, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2556, 0.2827, 0.2883 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(208, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 217, 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(208, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.2556, 0.2827, 0.2883 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(208, 217, 255) }
```

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

```
.border{ border-color:rgb(208, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2556, 0.2827, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 217, 255) }
```

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

```
.background{ background-color: rgb(208,  
217, 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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