

Converting Colors

$Yxy(64.0644, 0.2674, 0.2758)$

Have a look what the booklet for
Yxy(64.0644, 0.2674, 0.2758)
contains.

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Color

Yxy(63.8780, 0.2688, 0.2787)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BBD2FF |
| RGB | 187, 210, 255 |
| RGB Percent | 73%, 82%, 100% |
| CMY | 0.2663, 0.1766, 0.0000 |
| CMYK | 0.27, 0.18, 0.00, 0.00 |
| HSL | 220°, 100%, 87% |
| HSV | 220°, 27%, 100% |
| XYZ | 61.6089, 63.8780, 103.7129 |
| YIQ | 208.2530, -28.1530, 9.1190 |

Conversions

Conversions Part 2

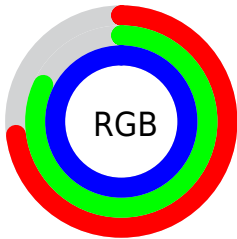
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 187, 204, 255 |
| Decimal | 12309247 |
| CIE Lab | 83.90, 2.11, -24.54 |
| CIE LCh | 84, 24.628, 274.903 |
| Yxy | 63.8780, 0.2688, 0.2787 |
| Android (android.graphics.Color) | 4290499327 (0xFFBBD2FF) |
| YUV | 208.2530, 23.0463, -18.6389 |
| Hunter-Lab | 79.9237, -2.2704, -20.9910 |

Details

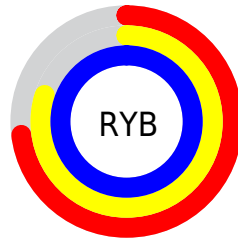
The Yxy color **63.8780, 0.2688, 0.2787** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.6260, 0.3586, 0.3746**, and the grayscale version is **63.1194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **32.7597, 0.2581, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **53.0311, 0.2509, 0.2561**, and if you desaturate by 10%, it is **76.1792, 0.2861, 0.2994**.

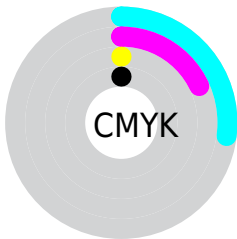
Distribution



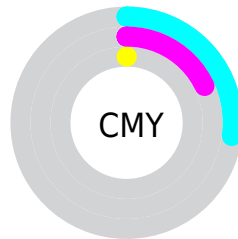
- Red (73%)
- Green (82%)
- Blue (100%)



- Red (73%)
- Yellow (80%)
- Blue (100%)



- Cyan (27%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8780, 0.2688, 0.2787 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 63.8780, 0.2688, 0.2787 by changing the saturation by 10% instead.

■ 63.8780, 0.2688,
0.2787

■ 63.8780, 0.2688,
0.2787

438.7489, 0.2893,
0.3021

■ 46.5519, 0.2641,
0.2734

■ 110.4352, 0.2760,
0.2868

■ 32.6815, 0.2582,
0.2668

140.4351, 0.2787,
0.2900

■ 21.8826, 0.2508,
0.2585

175.4283, 0.2811,
0.2927

■ 13.7707, 0.2412,
0.2477

215.7994, 0.2832,
0.2951

■ 7.9613, 0.2281,
0.2331

261.9325, 0.2850,
0.2971

■ 4.0702, 0.2095,
0.2126

314.2122, 0.2866,

■ 1.7129, 0.1815,

0.2990

0.1819

373.0229, 0.2881,
0.3006

0.4320, 0.1259,
0.1178

0.0000, 0.0000,
0.0000

63.8780, 0.2688,
0.2787

63.8780, 0.2688,
0.2787

53.0311, 0.2509,
0.2561

76.1792, 0.2861,
0.2994

43.5789, 0.2328,
0.2317

89.9864, 0.3025,
0.3179

35.4604, 0.2152,
0.2062

100.0000, 0.3127,
0.3290

28.6089, 0.1988,
0.1804

■ 22.9508, 0.1845,
0.1553

■ 18.4034, 0.1731,
0.1320

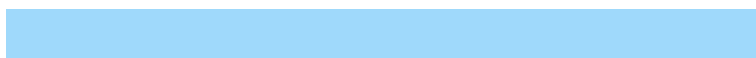
■ 14.8686, 0.1649,
0.1117

■ 13.8682, 0.1627,
0.1055

Harmonies

Analogous

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



63.8780, 0.2558, 0.2897



63.8780, 0.2688, 0.2787



63.8780, 0.2936, 0.2805

Triad

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



63.8780, 0.2688, 0.2787



63.8780, 0.3718, 0.3409



63.8780, 0.2987, 0.3686

Complementary

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



63.8780, 0.2688, 0.2787



82.6260, 0.3586, 0.3746

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.



63.8780, 0.3297, 0.3833



63.8780, 0.2688, 0.2787



63.8780, 0.3728, 0.3650

Square

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



63.8780, 0.2688, 0.2787



63.8780, 0.3539, 0.3153



63.8780, 0.3570, 0.3812



63.8780, 0.2724, 0.3417

Rectangle

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



63.8780, 0.2688, 0.2787



63.8780, 0.3142, 0.2882



63.8780, 0.3570, 0.3812



63.8780, 0.3089, 0.3752

Sweetspot

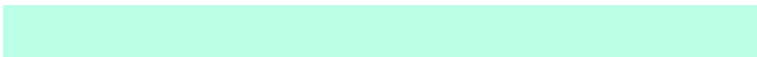
The Sweet Spot groups the original color and five complimentary colors.



63.8787, 0.2688, 0.2787



88.0071, 0.3003, 0.3155



87.8784, 0.2856, 0.3549



18.3783, 0.2979, 0.3128



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.



63.8787, 0.2688, 0.2787



57.8790, 0.2592, 0.2668



54.7053, 0.2732, 0.2536



18.3783, 0.2979, 0.3128



7.4921, 0.1635, 0.1085



0.9218, 0.1697, 0.1308

Inverse Universe

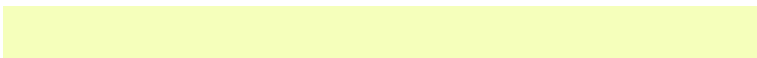
The Inverse Universe completely reimagines the original color for something new.



61.4900, 0.3511, 0.3055



55.5134, 0.3616, 0.3006



94.4905, 0.3462, 0.3974



18.0881, 0.3241, 0.3210



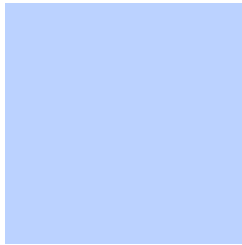
11.4843, 0.5633, 0.2877



1.1376, 0.5315, 0.2702

Previews

White Background



This preview shows how the Yxy color 63.8780, 0.2688, 0.2787 looks on a white background.

Color Contrast Check

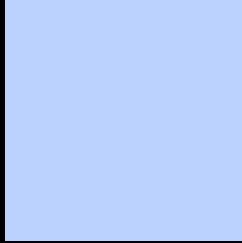
Large Text (above 18pt) WCAG AA × Fail

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 63.8780, 0.2688, 0.2787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

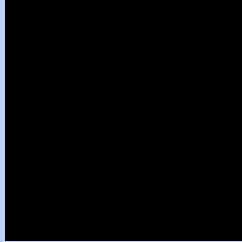
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

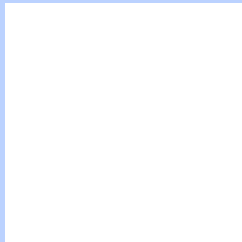
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8780, 0.2688, 0.2787

Background



This preview shows how black text looks on a background with the Yxy color 63.8780, 0.2688, 0.2787.



This preview shows how white text looks on a background with the Yxy color 63.8780, 0.2688, 0.2787.

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

63.8780, 0.2688, 0.2787

Protanopia

63.8596, 0.2773, 0.2784

Deuteranopia

63.8618, 0.2799, 0.2748



Tritanopia

63.8077, 0.2798, 0.3091

Trichromacy



Original Color

63.8780, 0.2688, 0.2787

Protanomaly

63.8696, 0.2742, 0.2782

Deuteranomaly

63.8514, 0.2755, 0.2763

Tritanomaly

64.0701, 0.2757, 0.2979

Monochromacy



Original Color

63.8780, 0.2688, 0.2787

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.3165, 0.2954, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8780, 0.2688, 0.2787 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(187, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 210, 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(187, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.8780, 0.2688, 0.2787 is called "border". The border property can be set on classes, ids or directly on the HTML element.

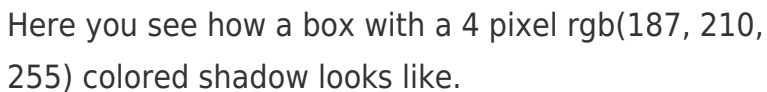
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 210, 255) }
```

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

```
.border{ border-color:rgb(187, 210, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 210,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8780, 0.2688, 0.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 210, 255) }
```

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

```
.background{ background-color: rgb(187,  
210, 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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