

Converting Colors

Yxy(64.6188, 0.2692, 0.2804)

Have a look what the booklet for
Yxy(64.6188, 0.2692, 0.2804)
contains.

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Color

Yxy(64.3733, 0.2689, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	BBD3FF
RGB	187, 211, 255
RGB Percent	73%, 83%, 100%
CMY	0.2665, 0.1726, 0.0000
CMYK	0.27, 0.17, 0.00, 0.00
HSL	219°, 100%, 87%
HSV	219°, 27%, 100%
XYZ	61.8434, 64.3733, 103.7700
YIQ	208.8400, -28.4280, 8.5960

Conversions

Conversions Part 2

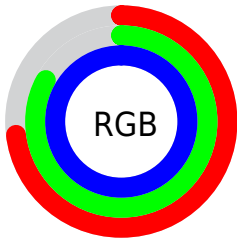
Format	Color
R _Y B	187, 205, 255
Decimal	12309503
CIE Lab	84.16, 1.54, -24.13
CIE LCh	84, 24.179, 273.660
Yxy	64.3733, 0.2689, 0.2799
Android (android.graphics.Color)	4290499583 (0xFFBBD3FF)
YUV	208.8400, 22.7569, -19.1537
Hunter-Lab	80.2330, -2.8202, -20.5202

Details

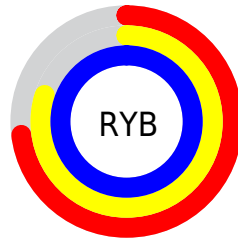
The Yxy color **64.3733, 0.2689, 0.2799** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.0223, 0.3589, 0.3736**, and the grayscale version is **63.5188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **33.0967, 0.2583, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **53.6531, 0.2511, 0.2578**, and if you desaturate by 10%, it is **76.5122, 0.2861, 0.3000**.

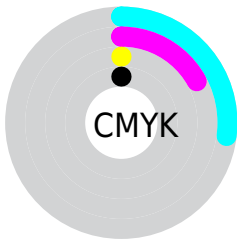
Distribution



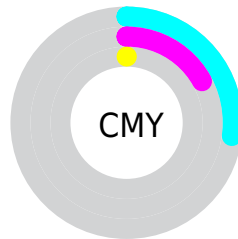
- Red (73%)
- Green (83%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3733, 0.2689, 0.2799 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 64.3733, 0.2689, 0.2799 by changing the saturation by 10% instead.

■ 64.3733, 0.2689,
0.2799

■ 64.3733, 0.2689,
0.2799

440.5365, 0.2894,
0.3027

■ 46.9531, 0.2642,
0.2747

■ 111.1484, 0.2760,
0.2878

■ 32.9986, 0.2584,
0.2683

141.2720, 0.2788,
0.2909

■ 22.1254, 0.2511,
0.2601

176.3990, 0.2812,
0.2936

■ 13.9490, 0.2415,
0.2496

216.9135, 0.2832,
0.2959

■ 8.0852, 0.2285,
0.2353

263.2002, 0.2851,
0.2979

■ 4.1495, 0.2101,
0.2152

315.6433, 0.2867,

■ 1.7576, 0.1823,

0.2997

0.1851

374.6273, 0.2881,
0.3013

0.4605, 0.1280,
0.1239

0.0000, 0.0000,
0.0000

64.3733, 0.2689,
0.2799

64.3733, 0.2689,
0.2799

53.6531, 0.2511,
0.2578

76.5122, 0.2861,
0.3000

44.2885, 0.2332,
0.2340

90.1144, 0.3025,
0.3181

36.2223, 0.2158,
0.2091

99.9998, 0.3127,
0.3290

29.3902, 0.1996,
0.1838

■ 23.7211, 0.1855,
0.1591

■ 19.1348, 0.1742,
0.1361

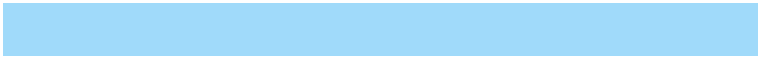
■ 15.5363, 0.1660,
0.1157

■ 14.5148, 0.1638,
0.1096

Harmonies

Analogous

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



64.3733, 0.2567, 0.2912



64.3733, 0.2689, 0.2799



64.3733, 0.2928, 0.2811

Triad

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



64.3733, 0.2689, 0.2799



64.3733, 0.3701, 0.3397



64.3733, 0.3002, 0.3686

Complementary

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



64.3733, 0.2689, 0.2799



82.0223, 0.3589, 0.3736

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.



64.3733, 0.3306, 0.3823



64.3733, 0.2689, 0.2799



64.3733, 0.3719, 0.3635

Square

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



64.3733, 0.2689, 0.2799



64.3733, 0.3520, 0.3146



64.3733, 0.3571, 0.3797



64.3733, 0.2741, 0.3427

Rectangle

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



64.3733, 0.2689, 0.2799



64.3733, 0.3129, 0.2884



64.3733, 0.3571, 0.3797



64.3733, 0.3103, 0.3749

Sweetspot

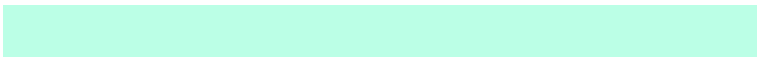
The Sweet Spot groups the original color and five complimentary colors.



64.3759, 0.2689, 0.2799



88.1946, 0.3003, 0.3158



87.8053, 0.2862, 0.3562



18.4253, 0.2979, 0.3132



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.



64.3759, 0.2689, 0.2799



58.4695, 0.2594, 0.2683



54.5253, 0.2724, 0.2534



18.4253, 0.2979, 0.3132



7.8374, 0.1646, 0.1125



0.9595, 0.1708, 0.1350

Inverse Universe

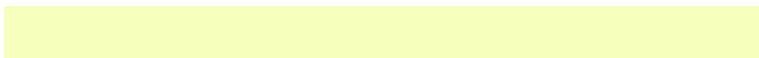
The Inverse Universe completely reimagines the original color for something new.



61.5189, 0.3503, 0.3045



55.5730, 0.3605, 0.2993



94.6889, 0.3470, 0.3973



18.0928, 0.3239, 0.3206



11.5192, 0.5573, 0.2844



1.1414, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 64.3733, 0.2689, 0.2799 looks on a white background.

Color Contrast Check

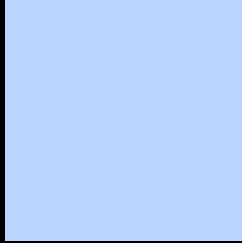
Large Text (above 18pt) WCAG AA × Fail

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 64.3733, 0.2689, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

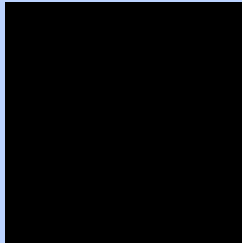
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

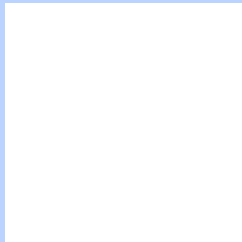
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3733, 0.2689, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 64.3733, 0.2689, 0.2799.



This preview shows how white text looks on a background with the Yxy color 64.3733, 0.2689, 0.2799.

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

64.3733, 0.2689, 0.2799

Protanopia

64.4830, 0.2780, 0.2797

Deuteranopia

64.1480, 0.2812, 0.2750



Tritanopia

64.3722, 0.2793, 0.3091

Trichromacy



Original Color

64.3733, 0.2689, 0.2799

Protanomaly

64.3588, 0.2743, 0.2793

Deuteranomaly

64.1250, 0.2768, 0.2765

Tritanomaly

64.5748, 0.2758, 0.2991

Monochromacy



Original Color

64.3733, 0.2689, 0.2799

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.0017, 0.2955, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3733, 0.2689, 0.2799 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, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 211, 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, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3733, 0.2689, 0.2799 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, 211, 255) }
```

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

```
.border{ border-color:rgb(187, 211, 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, 211, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3733, 0.2689, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 211, 255) }
```

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

```
.background{ background-color: rgb(187,  
211, 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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