

Converting Colors

$Yxy(63.9529, 0.2668, 0.2796)$

Have a look what the booklet for
Yxy(63.9529, 0.2668, 0.2796)
contains.

Yxy(63.9989, 0.2670, 0.2797)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.9989, 0.2670, 0.2797)

Conversions

Conversions Part 1

Format	Color
Hex	B8D3FF
RGB	184, 211, 255
RGB Percent	72%, 83%, 100%
CMY	0.2788, 0.1724, 0.0001
CMYK	0.28, 0.17, 0.00, 0.00
HSL	217°, 100%, 86%
HSV	217°, 28%, 100%
XYZ	61.0930, 63.9989, 103.7208
YIQ	207.9430, -30.2160, 7.9600

Conversions

Conversions Part 2

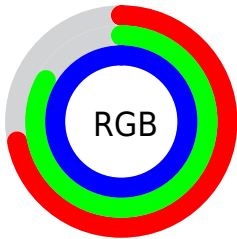
Format	Color
RYB	184, 204, 255
Decimal	12112895
CIELab	83.97, 0.62, -24.43
CIELCh	84, 24.442, 271.459
Yxy	63.9989, 0.2670, 0.2797
Android (android.graphics.Color)	4290302975 (0xFFB8D3FF)
YUV	207.9430, 23.1991, -20.9980
Hunter-Lab	79.9993, -3.6839, -20.8712

Details

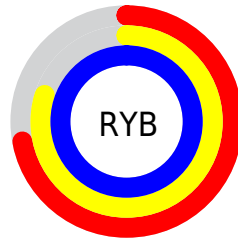
The Yxy color **63.9989, 0.2670, 0.2797** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80.1257, 0.3619, 0.3737**, and the grayscale version is **62.8914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **32.8583, 0.2560, 0.2687** is the 20% darker color. If you saturate the color by 10%, you get **53.6767, 0.2494, 0.2584**, and if you desaturate by 10%, it is **75.6623, 0.2841, 0.2991**.

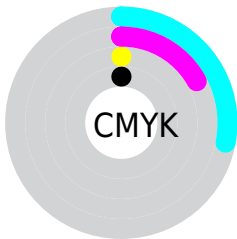
Distribution



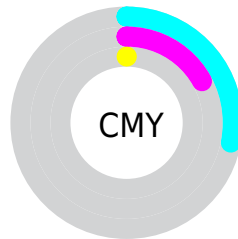
- Red (72%)
- Green (83%)
- Blue (100%)



- Red (72%)
- Yellow (80%)
- Blue (100%)



- Cyan (28%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9989, 0.2670, 0.2797 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 63.9989, 0.2670, 0.2797 by changing the saturation by 10% instead.

■ 63.9989, 0.2670,
0.2797

■ 63.9989, 0.2670,
0.2797

439.1857, 0.2883,
0.3027

■ 46.6498, 0.2621,
0.2744

■ 110.6094, 0.2744,
0.2877

■ 32.7589, 0.2561,
0.2680

140.6395, 0.2773,
0.2908

■ 21.9418, 0.2484,
0.2597

175.6654, 0.2798,
0.2935

■ 13.8141, 0.2384,
0.2491

216.0715, 0.2819,
0.2958

■ 7.9915, 0.2250,
0.2346

262.2422, 0.2838,
0.2978

■ 4.0895, 0.2059,
0.2143

314.5618, 0.2855,

■ 1.7238, 0.1771,

0.2996

0.1837

373.4149, 0.2870,
0.3012

0.4390, 0.1186,
0.1204

0.0000, 0.0000,
0.0000

63.9989, 0.2670,
0.2797

63.9989, 0.2670,
0.2797

53.6767, 0.2494,
0.2584

75.6623, 0.2841,
0.2991

44.6356, 0.2319,
0.2356

88.7086, 0.3005,
0.3166

36.8216, 0.2149,
0.2117

99.9986, 0.3127,
0.3290

30.1734, 0.1994,
0.1874

■ 24.6234, 0.1859,
0.1636

■ 20.0947, 0.1752,
0.1414

■ 16.4916, 0.1674,
0.1214

■ 15.8202, 0.1660,
0.1175

Harmonies

Analogous

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



63.9989, 0.2556, 0.2921



63.9989, 0.2670, 0.2797



63.9989, 0.2905, 0.2800

Triad

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



63.9989, 0.2670, 0.2797



63.9989, 0.3700, 0.3379



63.9989, 0.3023, 0.3707

Complementary

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



63.9989, 0.2670, 0.2797



80.1257, 0.3619, 0.3737

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.



63.9989, 0.3330, 0.3834



63.9989, 0.2670, 0.2797



63.9989, 0.3731, 0.3623

Square

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



63.9989, 0.2670, 0.2797



63.9989, 0.3506, 0.3126



63.9989, 0.3592, 0.3796



63.9989, 0.2752, 0.3450

Rectangle

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



63.9989, 0.2670, 0.2797



63.9989, 0.3105, 0.2868



63.9989, 0.3592, 0.3796



63.9989, 0.3125, 0.3767

Sweetspot

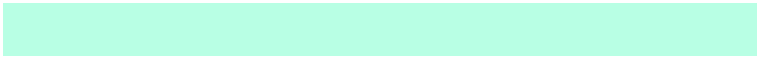
The Sweet Spot groups the original color and five complimentary colors.



64.0014, 0.2670, 0.2797



88.5468, 0.3003, 0.3164



87.2726, 0.2857, 0.3590



18.5137, 0.2979, 0.3139



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.



64.0014, 0.2670, 0.2797



58.5522, 0.2580, 0.2690



52.6984, 0.2694, 0.2493



18.5137, 0.2979, 0.3139



8.5335, 0.1668, 0.1205



1.0340, 0.1731, 0.1430

Inverse Universe

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



60.2067, 0.3508, 0.3012



54.6389, 0.3603, 0.2958



94.6802, 0.3494, 0.4003



18.1018, 0.3234, 0.3200



11.5894, 0.5459, 0.2781



1.1489, 0.5151, 0.2612

Previews

White Background



This preview shows how the Yxy color 63.9989, 0.2670, 0.2797 looks on a white background.

Color Contrast Check

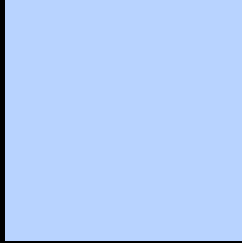
Large Text (above 18pt) WCAG AA × Fail

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 63.9989, 0.2670, 0.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

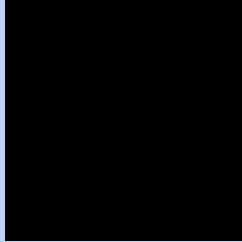
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

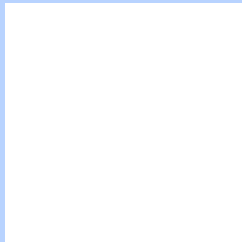
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9989, 0.2670, 0.2797

Background



This preview shows how black text looks on a background with the Yxy color 63.9989, 0.2670, 0.2797.



This preview shows how white text looks on a background with the Yxy color 63.9989, 0.2670, 0.2797.

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

63.9989, 0.2670, 0.2797

Protanopia

63.7960, 0.2779, 0.2794

Deuteranopia

64.0045, 0.2806, 0.2749



Tritanopia

64.0108, 0.2774, 0.3090

Trichromacy



Original Color

63.9989, 0.2670, 0.2797

Protanomaly

63.6729, 0.2741, 0.2791

Deuteranomaly

63.8514, 0.2755, 0.2763

Tritanomaly

64.2082, 0.2739, 0.2990

Monochromacy



Original Color

63.9989, 0.2670, 0.2797

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.1793, 0.2947, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9989, 0.2670, 0.2797 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(184, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.9989, 0.2670, 0.2797 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(184, 211, 255) }
```

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

```
.border{ border-color:rgb(184, 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(184, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9989, 0.2670, 0.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 211, 255) }
```

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

```
.background{ background-color: rgb(184,  
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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