

Converting Colors

$Yxy(63.9945, 0.2659, 0.2784)$

Have a look what the booklet for
Yxy(63.9945, 0.2659, 0.2784)
contains.

Yxy(63.8758, 0.2664, 0.2796)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.8758, 0.2664, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	B7D3FF
RGB	183, 211, 255
RGB Percent	72%, 83%, 100%
CMY	0.2826, 0.1725, 0.0000
CMYK	0.28, 0.17, 0.00, 0.00
HSL	217°, 100%, 86%
HSV	217°, 28%, 100%
XYZ	60.8602, 63.8758, 103.7182
YIQ	207.6440, -30.8120, 7.7480

Conversions

Conversions Part 2

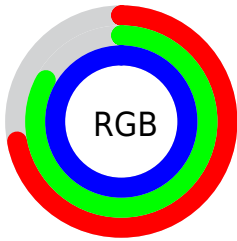
Format	Color
R _Y B	183, 203, 255
Decimal	12047359
CIE Lab	83.90, 0.35, -24.54
CIE LCh	84, 24.546, 270.817
Yxy	63.8758, 0.2664, 0.2796
Android (android.graphics.Color)	4290237439 (0xFFB7D3FF)
YUV	207.6440, 23.3465, -21.6128
Hunter-Lab	79.9223, -3.9378, -20.9972

Details

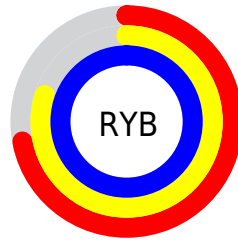
The Yxy color **63.8758, 0.2664, 0.2796** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.5629, 0.3628, 0.3738**, and the grayscale version is **62.6903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **32.7804, 0.2553, 0.2686** is the 20% darker color. If you saturate the color by 10%, you get **53.6686, 0.2489, 0.2586**, and if you desaturate by 10%, it is **75.4029, 0.2835, 0.2988**.

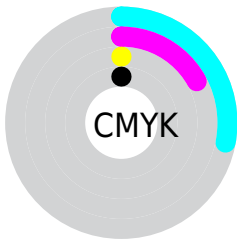
Distribution



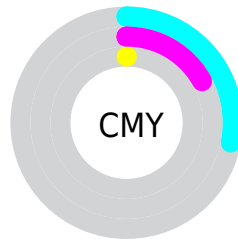
- Red (72%)
- Green (83%)
- Blue (100%)



- 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 63.8758, 0.2664, 0.2796 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 63.8758, 0.2664, 0.2796 by changing the saturation by 10% instead.

■ 63.8758, 0.2664,
0.2796

■ 63.8758, 0.2664,
0.2796

438.7410, 0.2880,
0.3026

■ 46.5501, 0.2614,
0.2743

■ 110.4320, 0.2739,
0.2876

■ 32.6801, 0.2553,
0.2678

140.4314, 0.2768,
0.2907

■ 21.8815, 0.2476,
0.2596

175.4240, 0.2794,
0.2934

■ 13.7699, 0.2375,
0.2488

215.7944, 0.2815,
0.2957

■ 7.9608, 0.2238,
0.2344

261.9269, 0.2835,
0.2978

■ 4.0699, 0.2045,
0.2139

314.2059, 0.2852,

■ 1.7127, 0.1755,

0.2996

0.1832

373.0158, 0.2867,
0.3012

0.4319, 0.1156,
0.1191

0.0000, 0.0000,
0.0000

63.8758, 0.2664,
0.2796

63.8758, 0.2664,
0.2796

53.6686, 0.2489,
0.2586

75.4029, 0.2835,
0.2988

44.7219, 0.2314,
0.2360

88.2909, 0.2999,
0.3161

36.9827, 0.2147,
0.2124

99.9992, 0.3127,
0.3290

30.3905, 0.1993,
0.1884

■ 24.8783, 0.1860,
0.1649

■ 20.3701, 0.1755,
0.1428

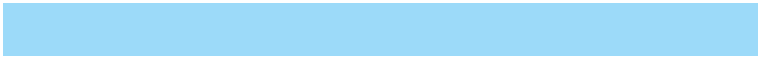
■ 16.7691, 0.1678,
0.1231

■ 16.2146, 0.1666,
0.1198

Harmonies

Analogous

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



63.8758, 0.2553, 0.2923



63.8758, 0.2664, 0.2796



63.8758, 0.2898, 0.2797

Triad

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



63.8758, 0.2664, 0.2796



63.8758, 0.3701, 0.3373



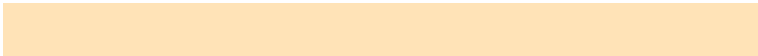
63.8758, 0.3029, 0.3714

Complementary

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



63.8758, 0.2664, 0.2796



79.5629, 0.3628, 0.3738

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.



63.8758, 0.3337, 0.3838



63.8758, 0.2664, 0.2796



63.8758, 0.3735, 0.3619

Square

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



63.8758, 0.2664, 0.2796



63.8758, 0.3503, 0.3120



63.8758, 0.3599, 0.3795



63.8758, 0.2756, 0.3457

Rectangle

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



63.8758, 0.2664, 0.2796



63.8758, 0.3099, 0.2863



63.8758, 0.3599, 0.3795



63.8758, 0.3131, 0.3773

Sweetspot

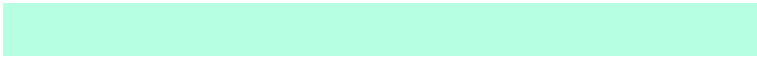
The Sweet Spot groups the original color and five complimentary colors.



63.8783, 0.2664, 0.2796



88.6467, 0.3003, 0.3166



87.0729, 0.2860, 0.3608



18.5388, 0.2979, 0.3141



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.



63.8783, 0.2664, 0.2796



57.8611, 0.2564, 0.2677



52.0284, 0.2679, 0.2478



18.5388, 0.2979, 0.3141



8.7421, 0.1675, 0.1229



1.0560, 0.1737, 0.1453

Inverse Universe

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



59.8051, 0.3510, 0.3002



53.6447, 0.3616, 0.2941



94.8458, 0.3507, 0.4011



18.1043, 0.3233, 0.3198



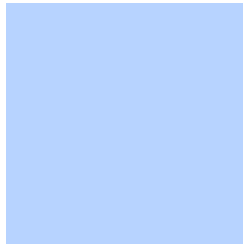
11.6105, 0.5426, 0.2763



1.1511, 0.5121, 0.2595

Previews

White Background



This preview shows how the Yxy color 63.8758, 0.2664, 0.2796 looks on a white background.

Color Contrast Check

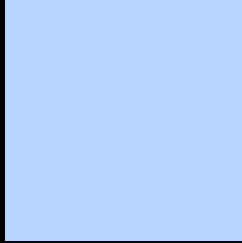
Large Text (above 18pt) WCAG AA × Fail

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 63.8758, 0.2664, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

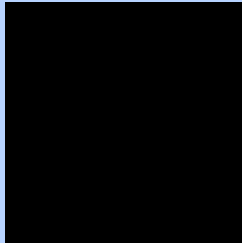
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

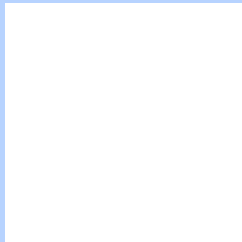
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8758, 0.2664, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 63.8758, 0.2664, 0.2796.



This preview shows how white text looks on a background with the Yxy color 63.8758, 0.2664, 0.2796.

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

63.8758, 0.2664, 0.2796

Protanopia

63.7960, 0.2779, 0.2794

Deuteranopia

63.8618, 0.2799, 0.2748



Tritanopia

63.8921, 0.2768, 0.3090

Trichromacy



Original Color

63.8758, 0.2664, 0.2796

Protanomaly

63.5411, 0.2735, 0.2790

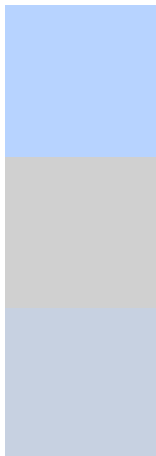
Deuteranomaly

63.7160, 0.2748, 0.2762

Tritanomaly

64.0877, 0.2733, 0.2989

Monochromacy



Original Color

63.8758, 0.2664, 0.2796

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 63.8758, 0.2664, 0.2796 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(183, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.8758, 0.2664, 0.2796 is called "border". The border property can be set on classes, ids or directly on the HTML element.

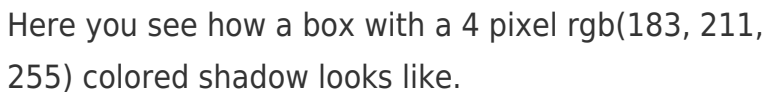
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 211, 255) }
```

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

```
.border{ border-color:rgb(183, 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(183, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 211, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 211, 255); box-shadow:4px 4px 4px 4px rgb(183, 211, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8758, 0.2664, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 211, 255) }
```

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

```
.background{ background-color: rgb(183,  
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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