

Converting Colors

$Yxy(66.1550, 0.2671, 0.2848)$

Have a look what the booklet for
Yxy(66.1550, 0.2671, 0.2848)
contains.

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Color

Yxy(65.8882, 0.2669, 0.2842)

Conversions

Conversions Part 1

Format	Color
Hex	B7D7FF
RGB	183, 215, 255
RGB Percent	72%, 84%, 100%
CMY	0.2824, 0.1568, 0.0000
CMYK	0.28, 0.16, 0.00, 0.00
HSL	213°, 100%, 86%
HSV	213°, 28%, 100%
XYZ	61.8774, 65.8882, 104.0718
YIQ	209.9920, -31.9120, 5.6560

Conversions

Conversions Part 2

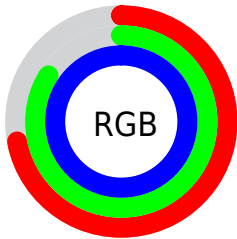
Format	Color
R _Y B	183, 205, 255
Decimal	12048383
CIE Lab	84.94, -1.74, -22.98
CIE LCh	85, 23.042, 265.675
Yxy	65.8882, 0.2669, 0.2842
Android (android.graphics.Color)	4290238463 (0xFFB7D7FF)
YUV	209.9920, 22.1889, -23.6720
Hunter-Lab	81.1715, -5.9789, -19.1969

Details

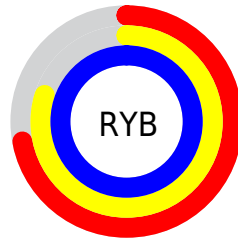
The Yxy color **65.8882, 0.2669, 0.2842** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.4439, 0.3639, 0.3699**, and the grayscale version is **64.3103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **33.8080, 0.2559, 0.2732** is the 20% darker color. If you saturate the color by 10%, you get **56.1383, 0.2499, 0.2652**, and if you desaturate by 10%, it is **76.8328, 0.2837, 0.3016**.

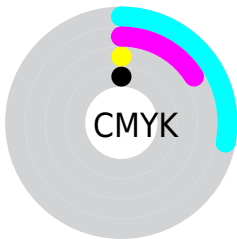
Distribution



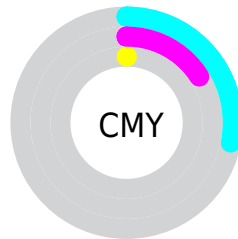
- Red (72%)
- Green (84%)
- Blue (100%)



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



- Cyan (28%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8882, 0.2669, 0.2842 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 65.8882, 0.2669, 0.2842 by changing the saturation by 10% instead.

■ 65.8882, 0.2669,
0.2842

■ 65.8882, 0.2669,
0.2842

445.9769, 0.2882,
0.3051

■ 48.1817, 0.2621,
0.2794

■ 113.3259, 0.2743,
0.2915

■ 33.9708, 0.2561,
0.2735

143.8258, 0.2771,
0.2943

■ 22.8711, 0.2485,
0.2660

179.3589, 0.2796,
0.2967

■ 14.4984, 0.2388,
0.2562

220.3097, 0.2818,
0.2988

■ 8.4681, 0.2256,
0.2430

267.0624, 0.2837,
0.3007

■ 4.3959, 0.2069,
0.2243

320.0017, 0.2853,

■ 1.8974, 0.1791,

0.3023

0.1960

379.5117, 0.2868,
0.3038

0.5468, 0.1246,
0.1427

0.0000, 0.0000,
0.0000

65.8882, 0.2669,
0.2842

65.8882, 0.2669,
0.2842

56.1383, 0.2499,
0.2652

76.8328, 0.2837,
0.3016

47.5308, 0.2331,
0.2448

89.0097, 0.2999,
0.3173

40.0179, 0.2171,
0.2233

100.0000, 0.3127,
0.3290

33.5451, 0.2025,
0.2014

■ 28.0523, 0.1899,
0.1796

■ 23.4704, 0.1798,
0.1588

■ 19.7105, 0.1724,
0.1396

■ 19.1153, 0.1712,
0.1364

Harmonies

Analogous

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



65.8882, 0.2587, 0.2981



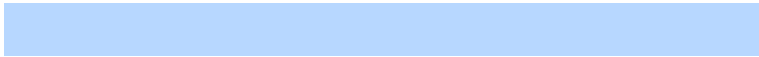
65.8882, 0.2669, 0.2842



65.8882, 0.2870, 0.2821

Triad

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



65.8882, 0.2669, 0.2842



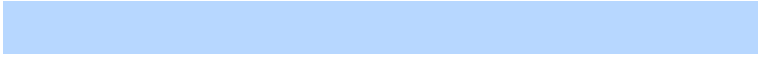
65.8882, 0.3638, 0.3328



65.8882, 0.3085, 0.3712

Complementary

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



65.8882, 0.2669, 0.2842



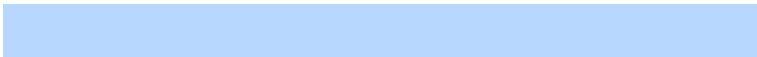
77.4439, 0.3639, 0.3699

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.



65.8882, 0.3371, 0.3802



65.8882, 0.2669, 0.2842



65.8882, 0.3698, 0.3562

Square

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



65.8882, 0.2669, 0.2842



65.8882, 0.3433, 0.3095



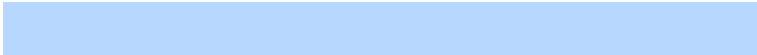
65.8882, 0.3597, 0.3740



65.8882, 0.2820, 0.3491

Rectangle

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



65.8882, 0.2669, 0.2842



65.8882, 0.3051, 0.2872



65.8882, 0.3597, 0.3740



65.8882, 0.3182, 0.3759

Sweetspot

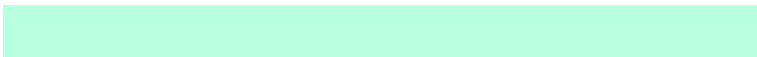
The Sweet Spot groups the original color and five complimentary colors.



65.8901, 0.2669, 0.2842



89.3174, 0.3003, 0.3177



86.8917, 0.2879, 0.3649



18.7072, 0.2979, 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.



65.8901, 0.2669, 0.2842



60.1304, 0.2571, 0.2734



51.5952, 0.2654, 0.2473



18.7072, 0.2979, 0.3154



10.2751, 0.1721, 0.1394



1.2143, 0.1781, 0.1612

Inverse Universe

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



60.0288, 0.3476, 0.2962



53.8738, 0.3573, 0.2893



95.5219, 0.3531, 0.4004



18.1213, 0.3224, 0.3185



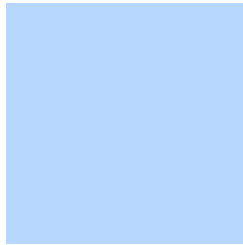
11.7652, 0.5199, 0.2638



1.1671, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 65.8882, 0.2669, 0.2842 looks on a white background.

Color Contrast Check

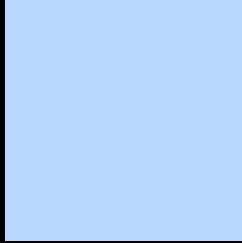
Large Text (above 18pt) WCAG AA × Fail

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 65.8882, 0.2669, 0.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

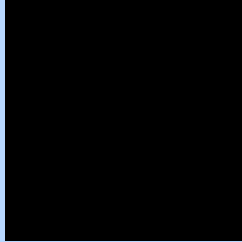
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

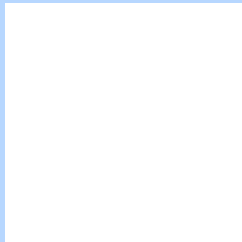
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8882, 0.2669, 0.2842

Background



This preview shows how black text looks on a background with the Yxy color 65.8882, 0.2669, 0.2842.



This preview shows how white text looks on a background with the Yxy color 65.8882, 0.2669, 0.2842.

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

65.8882, 0.2669, 0.2842

Protanopia

65.7547, 0.2813, 0.2842

Deuteranopia

65.5473, 0.2834, 0.2775



Tritanopia

65.7826, 0.2754, 0.3081

Trichromacy



Original Color

65.8882, 0.2669, 0.2842

Protanomaly

65.8510, 0.2763, 0.2849

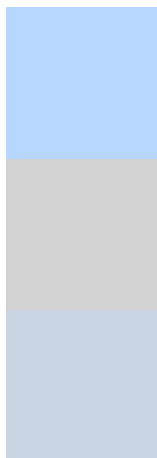
Deuteranomaly

65.5925, 0.2770, 0.2799

Tritanomaly

65.8001, 0.2719, 0.2992

Monochromacy



Original Color

65.8882, 0.2669, 0.2842

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.8573, 0.2948, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8882, 0.2669, 0.2842 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 215, 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, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.8882, 0.2669, 0.2842 is called "border". The border property can be set on classes, ids or directly on the HTML element.

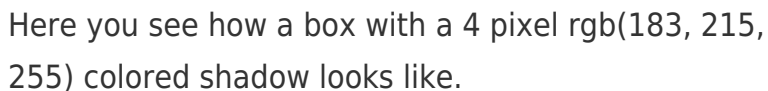
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 215, 255) }
```

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

```
.border{ border-color:rgb(183, 215, 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, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 215, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 215, 255); box-shadow:4px 4px 4px 4px rgb(183, 215, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8882, 0.2669, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 215, 255) }
```

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

```
.background{ background-color: rgb(183,  
215, 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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