

Converting Colors

$Yxy(63.3646, 0.2664, 0.2891)$

Have a look what the booklet for
Yxy(63.3646, 0.2664, 0.2891)
contains.

Yxy(63.5340, 0.2668, 0.2898)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.5340, 0.2668, 0.2898)

Conversions

Conversions Part 1

Format	Color
Hex	B0D5F7
RGB	176, 213, 247
RGB Percent	69%, 84%, 97%
CMY	0.3098, 0.1647, 0.0312
CMYK	0.29, 0.14, 0.00, 0.03
HSL	209°, 82%, 83%
HSV	209°, 29%, 97%
XYZ	58.4916, 63.5340, 97.2083
YIQ	205.8130, -32.9660, 2.7300

Conversions

Conversions Part 2

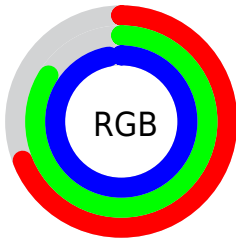
Format	Color
R _Y B	176, 200, 247
Decimal	11589111
CIE Lab	83.72, -4.55, -20.64
CIE LCh	84, 21.139, 257.583
Yxy	63.5340, 0.2668, 0.2898
Android (android.graphics.Color)	4289779191 (0xFFB0D5F7)
YUV	205.8130, 20.3052, -26.1460
Hunter-Lab	79.7082, -8.5022, -16.5115

Details

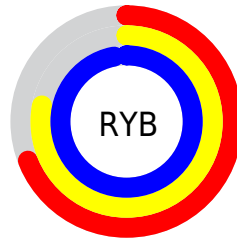
The Yxy color **63.5340, 0.2668, 0.2898** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.0298, 0.3664, 0.3652**, and the grayscale version is **61.4816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **32.3529, 0.2557, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **55.1746, 0.2505, 0.2735**, and if you desaturate by 10%, it is **72.8571, 0.2831, 0.3048**.

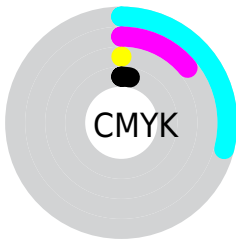
Distribution



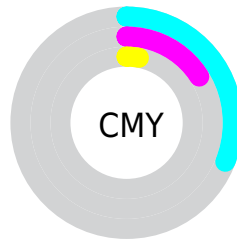
- Red (69%)
- Green (84%)
- Blue (97%)



- Red (69%)
- Yellow (78%)
- Blue (97%)



- Cyan (29%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)



- Cyan (31%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5340, 0.2668, 0.2898 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 63.5340, 0.2668, 0.2898 by changing the saturation by 10% instead.

■ 63.5340, 0.2668,
0.2898

■ 63.5340, 0.2668,
0.2898

437.5049, 0.2882,
0.3084

■ 46.2733, 0.2619,
0.2855

■ 109.9395, 0.2743,
0.2963

■ 32.4616, 0.2558,
0.2801

139.8532, 0.2771,
0.2988

■ 21.7143, 0.2481,
0.2733

174.7534, 0.2796,
0.3010

■ 13.6471, 0.2381,
0.2642

215.0244, 0.2818,
0.3028

■ 7.8756, 0.2244,
0.2518

261.0506, 0.2837,
0.3045

■ 4.0155, 0.2050,
0.2338

313.2165, 0.2854,

■ 1.6822, 0.1755,

0.3059

0.2058

371.9065, 0.2869,
0.3072

0.4121, 0.0963,
0.1414

0.0000, 0.0000,
0.0000

63.5340, 0.2668,
0.2898

63.5340, 0.2668,
0.2898

55.1746, 0.2505,
0.2735

72.8571, 0.2831,
0.3048

47.7337, 0.2347,
0.2560

83.1716, 0.2991,
0.3183

41.1732, 0.2198,
0.2377

94.5133, 0.3146,
0.3304

35.4485, 0.2064,
0.2188

99.4979, 0.3173,
0.3366

■ 30.5099, 0.1950,
0.1999

■ 26.3000, 0.1859,
0.1815

■ 22.7394, 0.1791,
0.1640

■ 22.3303, 0.1783,
0.1618

Harmonies

Analogous

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



63.5340, 0.2625, 0.3056



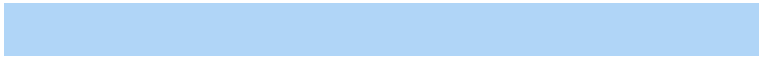
63.5340, 0.2668, 0.2898



63.5340, 0.2829, 0.2848

Triad

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



63.5340, 0.2668, 0.2898



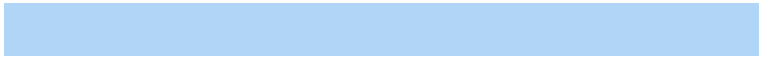
63.5340, 0.3561, 0.3265



63.5340, 0.3162, 0.3717

Complementary

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



63.5340, 0.2668, 0.2898



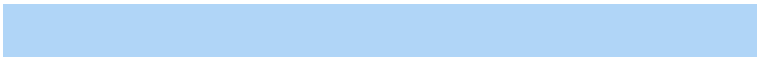
69.0298, 0.3664, 0.3652

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.



63.5340, 0.3419, 0.3762



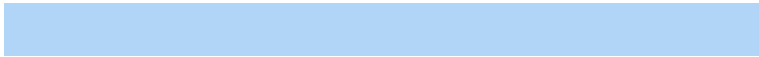
63.5340, 0.2668, 0.2898



63.5340, 0.3657, 0.3488

Square

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



63.5340, 0.2668, 0.2898



63.5340, 0.3344, 0.3057



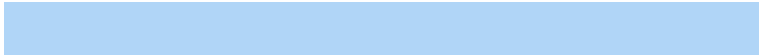
63.5340, 0.3603, 0.3673



63.5340, 0.2903, 0.3540

Rectangle

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



63.5340, 0.2668, 0.2898



63.5340, 0.2986, 0.2875



63.5340, 0.3603, 0.3673



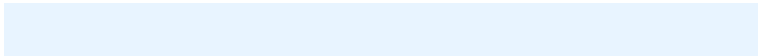
63.5340, 0.3251, 0.3748

Sweetspot

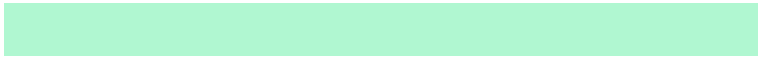
The Sweet Spot groups the original color and five complimentary colors.



63.5365, 0.2668, 0.2898



89.0873, 0.2987, 0.3180



80.3878, 0.2907, 0.3726



18.7089, 0.2964, 0.3161



0.0000, 0.0000, 0.0000



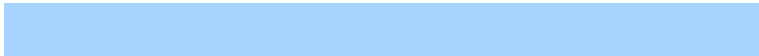
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.5365, 0.2668, 0.2898



62.5038, 0.2565, 0.2797



47.9355, 0.2623, 0.2481



17.3548, 0.2980, 0.3174



12.0920, 0.1791, 0.1647



1.2686, 0.1852, 0.1867

Inverse Universe

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



55.6364, 0.3437, 0.2901



53.2069, 0.3529, 0.2813



88.0234, 0.3569, 0.3988



16.6267, 0.3212, 0.3167



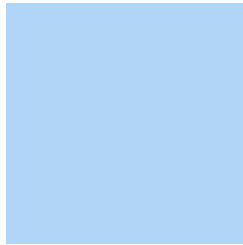
11.3201, 0.4872, 0.2458



1.0157, 0.4606, 0.2311

Previews

White Background



This preview shows how the Yxy color 63.5340, 0.2668, 0.2898 looks on a white background.

Color Contrast Check

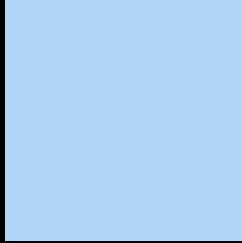
Large Text (above 18pt) WCAG AA × Fail

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 63.5340, 0.2668, 0.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

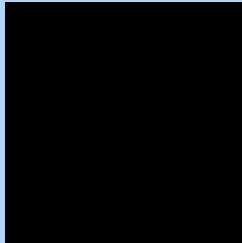
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

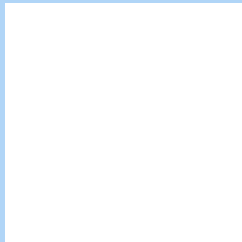
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5340, 0.2668, 0.2898

Background



This preview shows how black text looks on a background with the Yxy color 63.5340, 0.2668, 0.2898.



This preview shows how white text looks on a background with the Yxy color 63.5340, 0.2668, 0.2898.

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

63.5340, 0.2668, 0.2898

Protanopia

63.0312, 0.2846, 0.2878

Deuteranopia

63.4352, 0.2855, 0.2799



Tritanopia

63.3683, 0.2731, 0.3077

Trichromacy



Original Color

63.5340, 0.2668, 0.2898

Protanomaly

63.3390, 0.2782, 0.2895

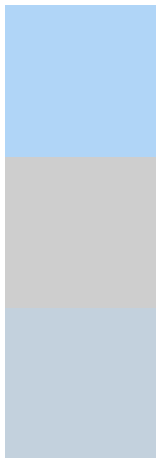
Deuteranomaly

63.1387, 0.2783, 0.2833

Tritanomaly

63.2649, 0.2707, 0.3008

Monochromacy



Original Color

63.5340, 0.2668, 0.2898

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.4235, 0.2945, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5340, 0.2668, 0.2898 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(176, 213, 247)` looks like.

```
.text, #text, p{  
    color:rgb(176, 213, 247)  
}
```

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(176, 213, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 213, 247) }
```

Border

The CSS property to change the border of an element to Yxy 63.5340, 0.2668, 0.2898 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(176, 213, 247) }
```

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

```
.border{ border-color:rgb(176, 213, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 213, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 213, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 213, 247);  
box-shadow:4px 4px 4px 4px rgb(176, 213,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5340, 0.2668, 0.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 213, 247) }
```

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

```
.background{ background-color: rgb(176,  
213, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor