

Converting Colors

$Yxy(77.1005, 0.2174, 0.1918)$

Have a look what the booklet for
Yxy(77.1005, 0.2174, 0.1918)
contains.

Yxy(67.1866, 0.2661, 0.2875)	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(67.1866, 0.2661, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	B5DAFF
RGB	181, 218, 255
RGB Percent	71%, 85%, 100%
CMY	0.2901, 0.1451, 0.0000
CMYK	0.29, 0.15, 0.00, 0.00
HSL	210°, 100%, 85%
HSV	210°, 29%, 100%
XYZ	62.1856, 67.1866, 104.3203
YIQ	211.1550, -33.9290, 3.6630

Conversions

Conversions Part 2

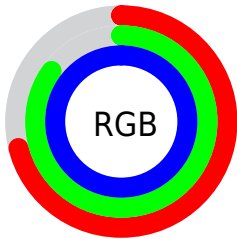
Format	Color
R _Y B	181, 206, 255
Decimal	11918079
CIE Lab	85.60, -3.86, -22.00
CIE LCh	86, 22.333, 260.050
Yxy	67.1866, 0.2661, 0.2875
Android (android.graphics.Color)	4290108159 (0xFFB5DAFF)
YUV	211.1550, 21.6156, -26.4459
Hunter-Lab	81.9674, -8.0218, -18.0815

Details

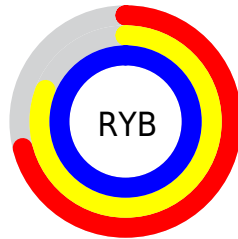
The Yxy color **67.1866, 0.2661, 0.2875** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.7590, 0.3666, 0.3671**, and the grayscale version is **65.1240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **34.7072, 0.2551, 0.2776** is the 20% darker color. If you saturate the color by 10%, you get **58.0176, 0.2496, 0.2704**, and if you desaturate by 10%, it is **77.4309, 0.2826, 0.3032**.

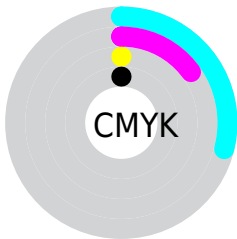
Distribution



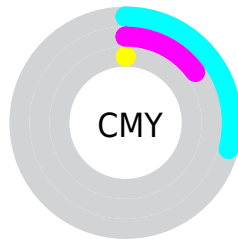
- Red (71%)
- Green (85%)
- Blue (100%)



- Red (71%)
- Yellow (81%)
- Blue (100%)



- Cyan (29%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1866, 0.2661, 0.2875 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 67.1866, 0.2661, 0.2875 by changing the saturation by 10% instead.

■ 67.1866, 0.2661,
0.2875

■ 67.1866, 0.2661,
0.2875

450.6087, 0.2876,
0.3069

■ 49.2363, 0.2612,
0.2830

■ 115.1877, 0.2735,
0.2943

■ 34.8070, 0.2552,
0.2775

146.0074, 0.2765,
0.2969

■ 23.5142, 0.2476,
0.2706

181.8856, 0.2790,
0.2991

■ 14.9737, 0.2378,
0.2614

223.2067, 0.2811,
0.3011

■ 8.8009, 0.2246,
0.2491

270.3552, 0.2831,
0.3028

■ 4.6115, 0.2061,
0.2315

323.7154, 0.2848,

■ 2.0212, 0.1785,

0.3043

0.2048

383.6718, 0.2863,
0.3057

0.6197, 0.1255,
0.1572

0.0000, 0.0000,
0.0000

67.1866, 0.2661,
0.2875

67.1866, 0.2661,
0.2875

58.0176, 0.2496,
0.2704

77.4309, 0.2826,
0.3032

49.8788, 0.2335,
0.2520

88.7872, 0.2987,
0.3175

42.7258, 0.2184,
0.2328

100.0000, 0.3127,
0.3290

36.5086, 0.2047,
0.2130

■ 31.1716, 0.1930,
0.1933

■ 26.6506, 0.1837,
0.1741

■ 22.8565, 0.1769,
0.1561

■ 22.5097, 0.1762,
0.1544

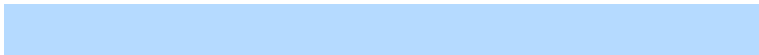
Harmonies

Analogous

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



67.1866, 0.2606, 0.3030



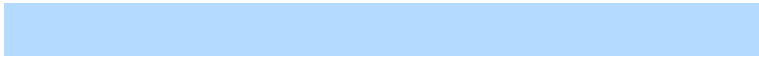
67.1866, 0.2661, 0.2875



67.1866, 0.2836, 0.2833

Triad

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



67.1866, 0.2661, 0.2875



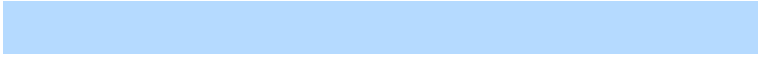
67.1866, 0.3591, 0.3283



67.1866, 0.3140, 0.3723

Complementary

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



67.1866, 0.2661, 0.2875



74.7590, 0.3666, 0.3671

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.



67.1866, 0.3409, 0.3782



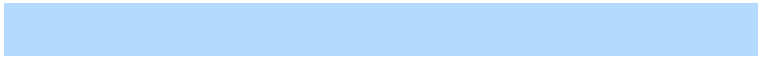
67.1866, 0.2661, 0.2875



67.1866, 0.3678, 0.3513

Square

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



67.1866, 0.2661, 0.2875



67.1866, 0.3374, 0.3064



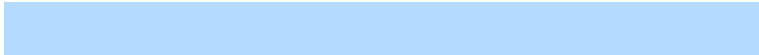
67.1866, 0.3609, 0.3698



67.1866, 0.2875, 0.3530

Rectangle

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



67.1866, 0.2661, 0.2875



67.1866, 0.3003, 0.2868



67.1866, 0.3609, 0.3698



67.1866, 0.3233, 0.3759

Sweetspot

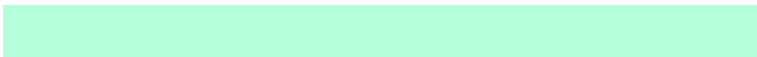
The Sweet Spot groups the original color and five complimentary colors.



67.1875, 0.2661, 0.2875



88.7962, 0.2987, 0.3175



86.4102, 0.2892, 0.3703



18.6372, 0.2964, 0.3155



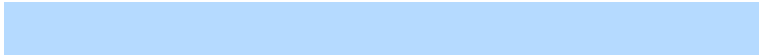
0.0000, 0.0000, 0.0000



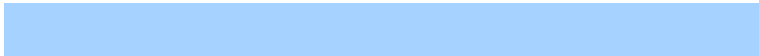
21.4041, 0.3127, 0.3290

Same Dimension

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



67.1875, 0.2661, 0.2875



61.5662, 0.2562, 0.2774



50.1078, 0.2614, 0.2442



18.8776, 0.2979, 0.3168



12.0603, 0.1770, 0.1573



1.3927, 0.1827, 0.1779

Inverse Universe

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



59.3820, 0.3454, 0.2913



53.1122, 0.3546, 0.2832



96.1175, 0.3567, 0.4017



18.1385, 0.3215, 0.3172



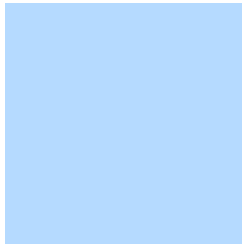
11.9455, 0.4966, 0.2509



1.1851, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 67.1866, 0.2661, 0.2875 looks on a white background.

Color Contrast Check

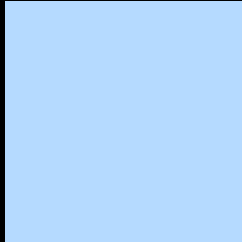
Large Text (above 18pt) WCAG AA × Fail

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 67.1866, 0.2661, 0.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

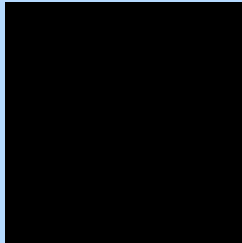
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

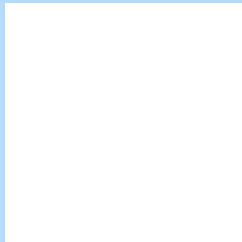
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.1866, 0.2661, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 67.1866, 0.2661, 0.2875.



This preview shows how white text looks on a background with the Yxy color 67.1866, 0.2661, 0.2875.

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

67.1866, 0.2661, 0.2875

Protanopia

67.1738, 0.2834, 0.2867

Deuteranopia

66.9671, 0.2855, 0.2800



Tritanopia

67.2331, 0.2733, 0.3093

Trichromacy



Original Color

67.1866, 0.2661, 0.2875

Protanomaly

66.9917, 0.2771, 0.2872

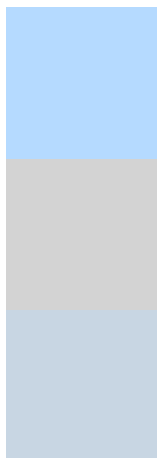
Deuteranomaly

66.7245, 0.2778, 0.2822

Tritanomaly

67.1830, 0.2705, 0.3015

Monochromacy



Original Color

67.1866, 0.2661, 0.2875

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.9185, 0.2942, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1866, 0.2661, 0.2875 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(181, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 218, 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(181, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.1866, 0.2661, 0.2875 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(181, 218, 255) }
```

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

```
.border{ border-color:rgb(181, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1866, 0.2661, 0.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 218, 255) }
```

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

```
.background{ background-color: rgb(181,  
218, 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](#).

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