

Converting Colors

$Y_{xy}(68.6758, 0.2630, 0.2840)$

Have a look what the booklet for
Yxy(68.6758, 0.2630, 0.2840)
contains.

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Color

Yxy(68.1097, 0.2658, 0.2898)

Conversions

Conversions Part 1

Format	Color
Hex	B4DCFF
RGB	180, 220, 255
RGB Percent	71%, 86%, 100%
CMY	0.2940, 0.1373, 0.0001
CMYK	0.29, 0.14, 0.00, 0.00
HSL	208°, 100%, 85%
HSV	208°, 29%, 100%
XYZ	62.4691, 68.1097, 104.4443
YIQ	212.0300, -35.0750, 2.4050

Conversions

Conversions Part 2

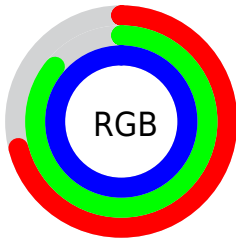
Format	Color
R _{YB}	180, 206, 255
Decimal	11853055
CIE Lab	86.06, -5.20, -21.28
CIE LCh	86, 21.902, 256.275
Yxy	68.1097, 0.2658, 0.2898
Android (android.graphics.Color)	4290043135 (0xFFB4DCFF)
YUV	212.0300, 21.1842, -28.0903
Hunter-Lab	82.5286, -9.3114, -17.2646

Details

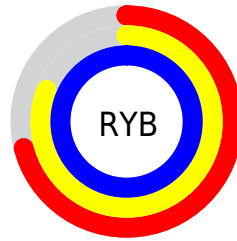
The Yxy color **68.1097, 0.2658, 0.2898** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.1651, 0.3682, 0.3651**, and the grayscale version is **65.7388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **35.3475, 0.2548, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **59.3007, 0.2496, 0.2738**, and if you desaturate by 10%, it is **77.9319, 0.2821, 0.3045**.

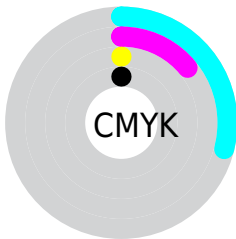
Distribution



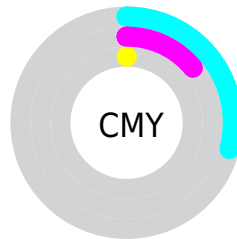
- Red (71%)
- Green (86%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1097, 0.2658, 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 68.1097, 0.2658, 0.2898 by changing the saturation by 10% instead.

■ 68.1097, 0.2658,
0.2898

■ 68.1097, 0.2658,
0.2898

453.8846, 0.2874,
0.3082

■ 49.9870, 0.2609,
0.2856

■ 116.5091, 0.2733,
0.2962

■ 35.4031, 0.2549,
0.2804

147.5545, 0.2762,
0.2987

■ 23.9735, 0.2473,
0.2737

183.6763, 0.2787,
0.3008

■ 15.3140, 0.2376,
0.2651

225.2589, 0.2809,
0.3027

■ 9.0400, 0.2245,
0.2534

272.6866, 0.2828,
0.3043

■ 4.7673, 0.2061,
0.2366

326.3438, 0.2845,

■ 2.1114, 0.1788,

0.3057

0.2110

386.6150, 0.2860,
0.3070

0.6710, 0.1270,
0.1668

0.0000, 0.0000,
0.0000

68.1097, 0.2658,
0.2898

68.1097, 0.2658,
0.2898

59.3007, 0.2496,
0.2738

77.9319, 0.2821,
0.3045

51.4566, 0.2340,
0.2568

88.7966, 0.2981,
0.3178

44.5369, 0.2194,
0.2388

99.9988, 0.3127,
0.3290

38.4938, 0.2063,
0.2204

■ 33.2742, 0.1951,
0.2020

■ 28.8161, 0.1863,
0.1840

■ 25.0298, 0.1798,
0.1669

■ 24.8150, 0.1794,
0.1658

Harmonies

Analogous

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



68.1097, 0.2620, 0.3062



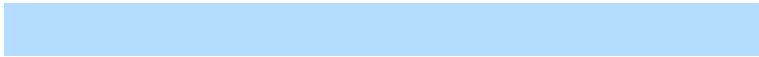
68.1097, 0.2658, 0.2898



68.1097, 0.2816, 0.2842

Triad

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



68.1097, 0.2658, 0.2898



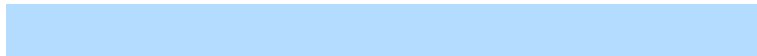
68.1097, 0.3559, 0.3255



68.1097, 0.3174, 0.3727

Complementary

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



68.1097, 0.2658, 0.2898



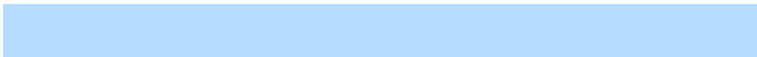
73.1651, 0.3682, 0.3651

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.



68.1097, 0.3433, 0.3767



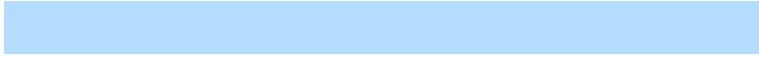
68.1097, 0.2658, 0.2898



68.1097, 0.3662, 0.3481

Square

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



68.1097, 0.2658, 0.2898



68.1097, 0.3336, 0.3046



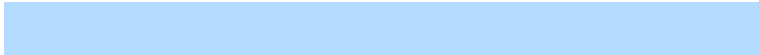
68.1097, 0.3614, 0.3671



68.1097, 0.2911, 0.3553

Rectangle

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



68.1097, 0.2658, 0.2898



68.1097, 0.2973, 0.2867



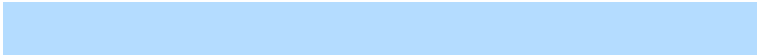
68.1097, 0.3614, 0.3671



68.1097, 0.3264, 0.3757

Sweetspot

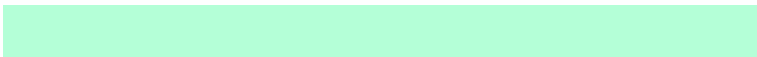
The Sweet Spot groups the original color and five complimentary colors.



68.1124, 0.2658, 0.2898



89.2584, 0.2987, 0.3183



86.1226, 0.2902, 0.3738



18.7511, 0.2964, 0.3164



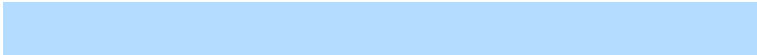
0.0000, 0.0000, 0.0000



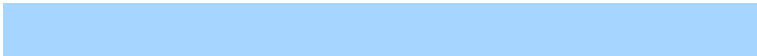
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1124, 0.2658, 0.2898



63.0590, 0.2567, 0.2810



50.6033, 0.2610, 0.2458



18.9817, 0.2979, 0.3176



13.2705, 0.1802, 0.1686



1.5109, 0.1856, 0.1882

Inverse Universe

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



59.0820, 0.3439, 0.2883



53.2629, 0.3519, 0.2802



94.4776, 0.3579, 0.4005



18.1490, 0.3210, 0.3164



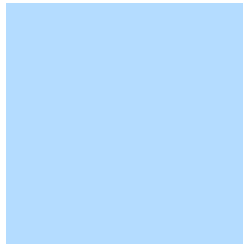
12.0676, 0.4823, 0.2431



1.1971, 0.4588, 0.2301

Previews

White Background



This preview shows how the Yxy color 68.1097, 0.2658, 0.2898 looks on a white background.

Color Contrast Check

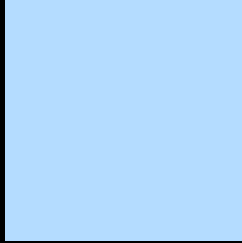
Large Text (above 18pt) WCAG AA × Fail

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 68.1097, 0.2658, 0.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

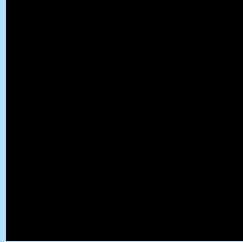
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

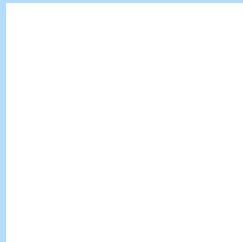
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1097, 0.2658, 0.2898

Background



This preview shows how black text looks on a background with the Yxy color 68.1097, 0.2658, 0.2898.

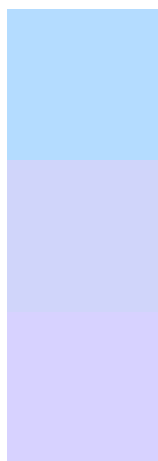


This preview shows how white text looks on a background with the Yxy color 68.1097, 0.2658, 0.2898.

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

68.1097, 0.2658, 0.2898

Protanopia

67.9005, 0.2854, 0.2890

Deuteranopia

67.7603, 0.2869, 0.2813



Tritanopia

67.8809, 0.2723, 0.3082

Trichromacy



Original Color

68.1097, 0.2658, 0.2898

Protanomaly

68.1458, 0.2779, 0.2895

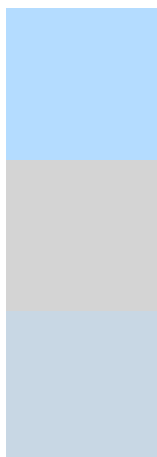
Deuteranomaly

67.8697, 0.2786, 0.2845

Tritanomaly

67.7705, 0.2701, 0.3016

Monochromacy



Original Color

68.1097, 0.2658, 0.2898

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.4817, 0.2936, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1097, 0.2658, 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(180, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 220, 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(180, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.1097, 0.2658, 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(180, 220, 255) }
```

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

```
.border{ border-color:rgb(180, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1097, 0.2658, 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(180, 220, 255) }
```

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

```
.background{ background-color: rgb(180,  
220, 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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