

Converting Colors

Yxy(68.7034, 0.2651, 0.2914)

Have a look what the booklet for
Yxy(68.7034, 0.2651, 0.2914)
contains.

Yxy(68.5166, 0.2653, 0.2909)	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(68.5166, 0.2653, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	B3DDFF
RGB	179, 221, 255
RGB Percent	70%, 87%, 100%
CMY	0.2982, 0.1333, 0.0000
CMYK	0.30, 0.13, 0.00, 0.00
HSL	207°, 100%, 85%
HSV	207°, 30%, 100%
XYZ	62.4870, 68.5166, 104.5296
YIQ	212.3180, -35.9460, 1.6700

Conversions

Conversions Part 2

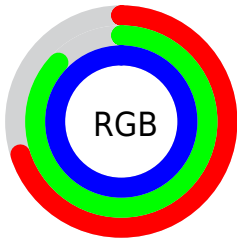
Format	Color
R _Y B	179, 206, 255
Decimal	11787775
CIE Lab	86.26, -6.03, -20.98
CIE LCh	86, 21.830, 253.966
Yxy	68.5166, 0.2653, 0.2909
Android (android.graphics.Color)	4289977855 (0xFFB3DDFF)
YUV	212.3180, 21.0422, -29.2199
Hunter-Lab	82.7748, -10.1055, -16.9303

Details

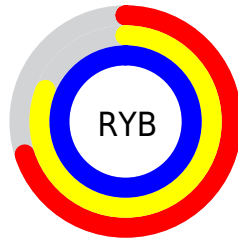
The Yxy color **68.5166, 0.2653, 0.2909** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.0630, 0.3696, 0.3642**, and the grayscale version is **65.9319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **35.6347, 0.2543, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **59.9436, 0.2493, 0.2756**, and if you desaturate by 10%, it is **78.0651, 0.2815, 0.3050**.

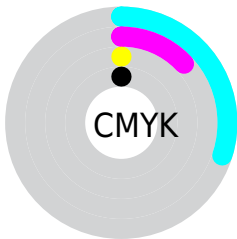
Distribution



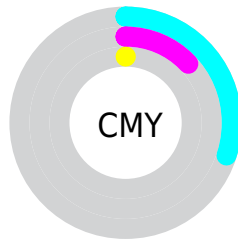
- Red (70%)
- Green (87%)
- Blue (100%)



- Red (70%)
- Yellow (81%)
- Blue (100%)



- Cyan (30%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5166, 0.2653, 0.2909 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 68.5166, 0.2653, 0.2909 by changing the saturation by 10% instead.

 68.5166, 0.2653,
0.2909

 68.5166, 0.2653,
0.2909

455.3242, 0.2871,
0.3088

 50.3181, 0.2604,
0.2868


 117.0909, 0.2728,
0.2971

 35.6662, 0.2543,
0.2817


148.2355, 0.2758,
0.2995

 24.1765, 0.2467,
0.2753


184.4642, 0.2783,
0.3016

 15.4646, 0.2369,
0.2668

226.1615, 0.2805,
0.3034

 9.1461, 0.2237,
0.2553

273.7118, 0.2825,
0.3050

 4.8366, 0.2053,
0.2389

327.4994, 0.2842,

 2.1517, 0.1780,

0.3064

0.2139

387.9087, 0.2857,
0.3076

0.6935, 0.1263,
0.1711

0.0000, 0.0000,
0.0000

68.5166, 0.2653,
0.2909

68.5166, 0.2653,
0.2909

59.9436, 0.2493,
0.2756

78.0651, 0.2815,
0.3050

52.2987, 0.2340,
0.2593

88.6173, 0.2974,
0.3177

45.5426, 0.2197,
0.2422

99.9993, 0.3127,
0.3290

39.6285, 0.2070,
0.2246

■ 34.5043, 0.1962,
0.2069

■ 30.1091, 0.1878,
0.1897

■ 26.3502, 0.1815,
0.1731

■ 26.2864, 0.1814,
0.1728

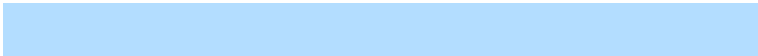
Harmonies

Analogous

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



68.5166, 0.2625, 0.3080



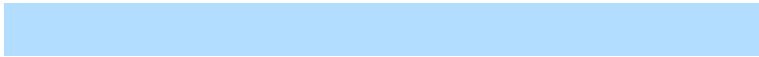
68.5166, 0.2653, 0.2909



68.5166, 0.2802, 0.2845

Triad

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



68.5166, 0.2653, 0.2909



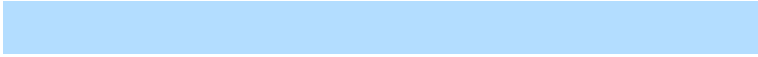
68.5166, 0.3543, 0.3238



68.5166, 0.3195, 0.3733

Complementary

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



68.5166, 0.2653, 0.2909



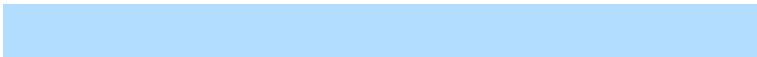
72.0630, 0.3696, 0.3642

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.



68.5166, 0.3449, 0.3762



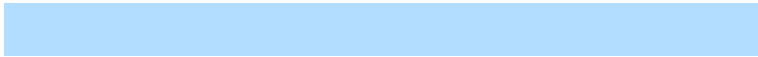
68.5166, 0.2653, 0.2909



68.5166, 0.3657, 0.3463

Square

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



68.5166, 0.2653, 0.2909



68.5166, 0.3314, 0.3033



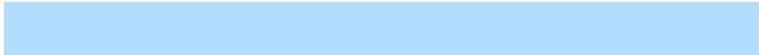
68.5166, 0.3620, 0.3657



68.5166, 0.2930, 0.3569

Rectangle

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



68.5166, 0.2653, 0.2909



68.5166, 0.2955, 0.2864



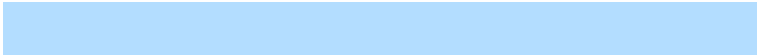
68.5166, 0.3620, 0.3657



68.5166, 0.3284, 0.3759

Sweetspot

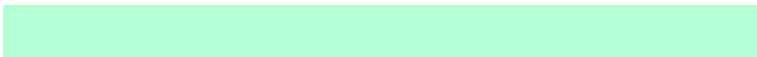
The Sweet Spot groups the original color and five complimentary colors.



68.5193, 0.2653, 0.2909



89.5353, 0.2987, 0.3187



85.8404, 0.2912, 0.3776



18.8193, 0.2964, 0.3170



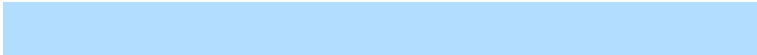
0.0000, 0.0000, 0.0000



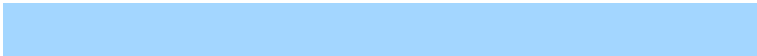
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5193, 0.2653, 0.2909



63.1122, 0.2554, 0.2816



51.0883, 0.2604, 0.2474



19.0441, 0.2979, 0.3181



14.0391, 0.1821, 0.1755



1.5851, 0.1874, 0.1945

Inverse Universe

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



58.7013, 0.3432, 0.2862



52.3796, 0.3517, 0.2770



92.8329, 0.3593, 0.3993



18.1553, 0.3207, 0.3159



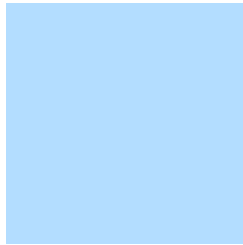
12.1452, 0.4739, 0.2384



1.2046, 0.4516, 0.2261

Previews

White Background



This preview shows how the Yxy color 68.5166, 0.2653, 0.2909 looks on a white background.

Color Contrast Check

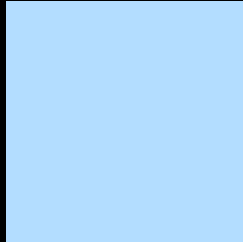
Large Text (above 18pt) WCAG AA × Fail

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 68.5166, 0.2653, 0.2909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

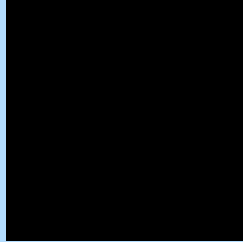
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

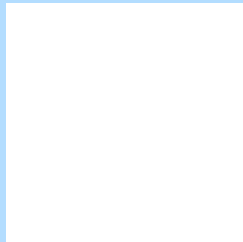
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5166, 0.2653, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 68.5166, 0.2653, 0.2909.



This preview shows how white text looks on a background with the Yxy color 68.5166, 0.2653, 0.2909.

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

68.5166, 0.2653, 0.2909

Protanopia

68.5506, 0.2861, 0.2902

Deuteranopia

68.4075, 0.2876, 0.2824



Tritanopia

68.3563, 0.2713, 0.3082

Trichromacy



Original Color

68.5166, 0.2653, 0.2909

Protanomaly

68.6597, 0.2780, 0.2907

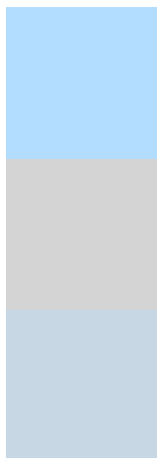
Deuteranomaly

68.5174, 0.2793, 0.2857

Tritanomaly

68.2435, 0.2691, 0.3016

Monochromacy



Original Color

68.5166, 0.2653, 0.2909

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 68.5166, 0.2653, 0.2909 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(179, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 221, 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(179, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.5166, 0.2653, 0.2909 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(179, 221, 255) }
```

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

```
.border{ border-color:rgb(179, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 221,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5166, 0.2653, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 221, 255) }
```

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

```
.background{ background-color: rgb(179,  
221, 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