

Converting Colors

$Yxy(76.9836, 0.2112, 0.1876)$

Have a look what the booklet for
Yxy(76.9836, 0.2112, 0.1876)
contains.

Yxy(66.3181, 0.2594, 0.2879)	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(66.3181, 0.2594, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	A9DBFF
RGB	169, 219, 255
RGB Percent	66%, 86%, 100%
CMY	0.3371, 0.1412, 0.0000
CMYK	0.34, 0.14, 0.00, 0.00
HSL	205°, 100%, 83%
HSV	205°, 34%, 100%
XYZ	59.7531, 66.3181, 104.2800
YIQ	208.1540, -41.3560, 0.5960

Conversions

Conversions Part 2

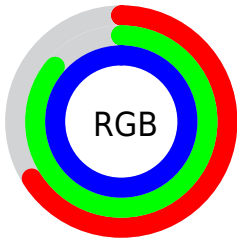
Format	Color
RYB	169, 201, 255
Decimal	11131903
CIELab	85.16, -7.70, -22.73
CIELCh	85, 23.998, 251.288
Yxy	66.3181, 0.2594, 0.2879
Android (android.graphics.Color)	4289321983 (0xFFA9DBFF)
YUV	208.1540, 23.0951, -34.3381
Hunter-Lab	81.4359, -11.5396, -18.9166

Details

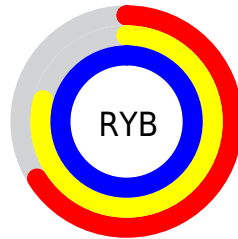
The Yxy color **66.3181, 0.2594, 0.2879** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.8126, 0.3797, 0.3665**, and the grayscale version is **63.0543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **34.2055, 0.2471, 0.2780** is the 20% darker color. If you saturate the color by 10%, you get **58.3717, 0.2439, 0.2733**, and if you desaturate by 10%, it is **75.1740, 0.2753, 0.3015**.

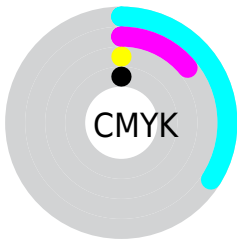
Distribution



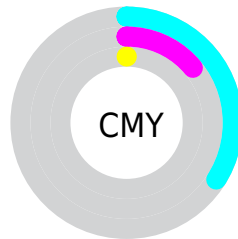
- Red (66%)
- Green (86%)
- Blue (100%)



- Red (66%)
- Yellow (79%)
- Blue (100%)



- Cyan (34%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3181, 0.2594, 0.2879 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 66.3181, 0.2594, 0.2879 by changing the saturation by 10% instead.

■ 66.3181, 0.2594,
0.2879

■ 66.3181, 0.2594,
0.2879

447.5137, 0.2840,
0.3073

■ 48.5307, 0.2538,
0.2834

■ 113.9428, 0.2679,
0.2947

■ 34.2473, 0.2470,
0.2778

144.5488, 0.2712,
0.2973

■ 23.0837, 0.2384,
0.2707

180.1965, 0.2741,
0.2996

■ 14.6553, 0.2273,
0.2614

221.2702, 0.2766,
0.3015

■ 8.5778, 0.2125,
0.2487

268.1544, 0.2787,
0.3032

■ 4.4669, 0.1918,
0.2305

321.2335, 0.2807,

■ 1.9380, 0.1614,

0.3048

0.2027

380.8918, 0.2824,
0.3061

0.5711, 0.0946,
0.1522

0.0000, 0.0000,
0.0000

66.3181, 0.2594,
0.2879

66.3181, 0.2594,
0.2879

58.3717, 0.2439,
0.2733

75.1740, 0.2753,
0.3015

51.2934, 0.2293,
0.2577

84.9726, 0.2913,
0.3139

45.0416, 0.2160,
0.2415

95.7485, 0.3070,
0.3251

39.5697, 0.2044,
0.2250

100.0000, 0.3127,
0.3290

■ 34.8239, 0.1949,
0.2085

■ 30.7405, 0.1877,
0.1925

■ 28.4568, 0.1841,
0.1827

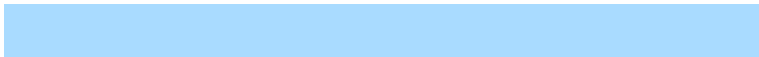
Harmonies

Analogous

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



66.3181, 0.2576, 0.3076



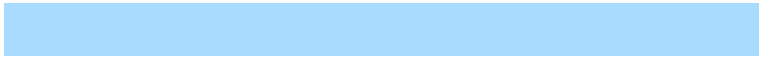
66.3181, 0.2594, 0.2879



66.3181, 0.2747, 0.2799

Triad

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



66.3181, 0.2594, 0.2879



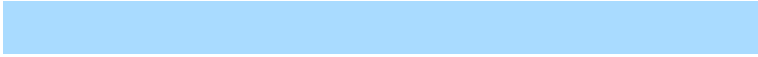
66.3181, 0.3571, 0.3209



66.3181, 0.3228, 0.3794

Complementary

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



66.3181, 0.2594, 0.2879



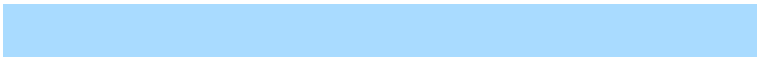
67.8126, 0.3797, 0.3665

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.



66.3181, 0.3505, 0.3810



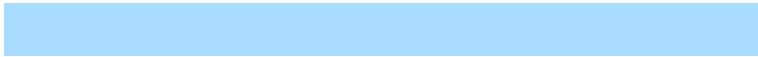
66.3181, 0.2594, 0.2879



66.3181, 0.3712, 0.3458

Square

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



66.3181, 0.2594, 0.2879



66.3181, 0.3308, 0.2988



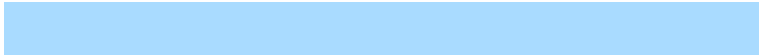
66.3181, 0.3686, 0.3679



66.3181, 0.2932, 0.3623

Rectangle

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



66.3181, 0.2594, 0.2879



66.3181, 0.2910, 0.2814



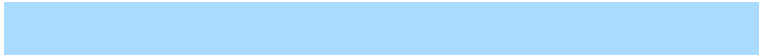
66.3181, 0.3686, 0.3679



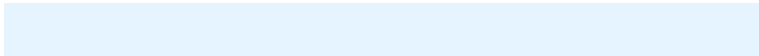
66.3181, 0.3326, 0.3818

Sweetspot

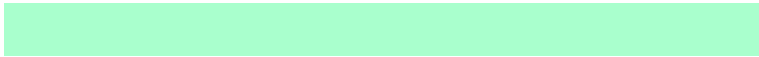
The Sweet Spot groups the original color and five complimentary colors.



66.3190, 0.2594, 0.2879



88.8534, 0.2972, 0.3182



84.3607, 0.2894, 0.3868



18.7001, 0.2949, 0.3166



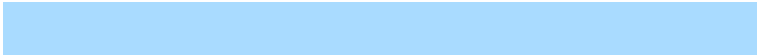
0.0000, 0.0000, 0.0000



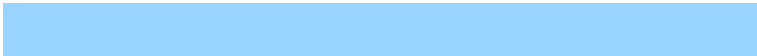
21.4041, 0.3127, 0.3290

Same Dimension

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



66.3190, 0.2594, 0.2879



61.2157, 0.2496, 0.2788



46.7911, 0.2527, 0.2366



19.1315, 0.2979, 0.3188



15.1712, 0.1848, 0.1853



1.6933, 0.1898, 0.2032

Inverse Universe

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



54.7659, 0.3463, 0.2780



48.8097, 0.3550, 0.2684



91.1607, 0.3659, 0.4071



18.1641, 0.3203, 0.3153



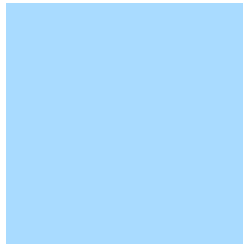
12.2595, 0.4622, 0.2320



1.2155, 0.4416, 0.2206

Previews

White Background



This preview shows how the Yxy color 66.3181, 0.2594, 0.2879 looks on a white background.

Color Contrast Check

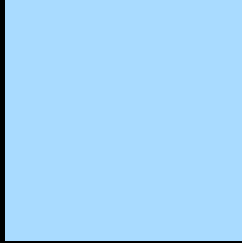
Large Text (above 18pt) WCAG AA × Fail

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 66.3181, 0.2594, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

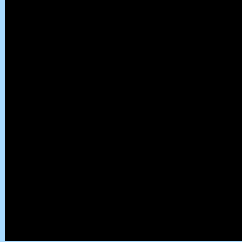
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

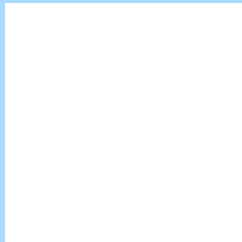
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3181, 0.2594, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 66.3181, 0.2594, 0.2879.



This preview shows how white text looks on a background with the Yxy color 66.3181, 0.2594, 0.2879.

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

66.3181, 0.2594, 0.2879

Protanopia

65.7701, 0.2832, 0.2863

Deuteranopia

66.0334, 0.2834, 0.2786



Tritanopia

66.4739, 0.2659, 0.3089

Trichromacy



Original Color

66.3181, 0.2594, 0.2879

Protanomaly

65.6299, 0.2738, 0.2867

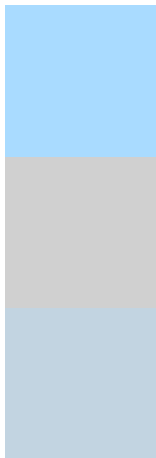
Deuteranomaly

65.9091, 0.2740, 0.2817

Tritanomaly

66.4125, 0.2632, 0.3010

Monochromacy



Original Color

66.3181, 0.2594, 0.2879

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.9925, 0.2913, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3181, 0.2594, 0.2879 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(169, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 219, 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(169, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.3181, 0.2594, 0.2879 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(169, 219, 255) }
```

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

```
.border{ border-color:rgb(169, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3181, 0.2594, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 219, 255) }
```

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

```
.background{ background-color: rgb(169,  
219, 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