

Converting Colors

$Yxy(59.0272, 0.2636, 0.2869)$

Have a look what the booklet for
Yxy(59.0272, 0.2636, 0.2869)
contains.

Yxy(58.8782, 0.2638, 0.2863)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.8782, 0.2638, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	A8CEF2
RGB	168, 206, 242
RGB Percent	66%, 81%, 95%
CMY	0.3411, 0.1922, 0.0509
CMYK	0.31, 0.15, 0.00, 0.05
HSL	209°, 74%, 80%
HSV	209°, 31%, 95%
XYZ	54.2510, 58.8782, 92.5229
YIQ	198.7420, -34.2040, 3.1400

Conversions

Conversions Part 2

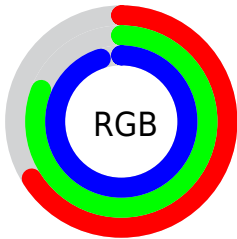
Format	Color
R _Y B	168, 193, 242
Decimal	11063026
CIE Lab	81.22, -4.32, -21.81
CIE LCh	81, 22.229, 258.807
Yxy	58.8782, 0.2638, 0.2863
Android (android.graphics.Color)	4289253106 (0xFFA8CEF2)
YUV	198.7420, 21.3262, -26.9607
Hunter-Lab	76.7321, -8.0784, -17.7788

Details

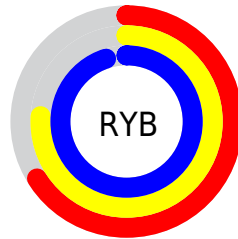
The Yxy color **58.8782, 0.2638, 0.2863** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.9117, 0.3703, 0.3681**, and the grayscale version is **56.8339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **29.5791, 0.2518, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **51.0054, 0.2475, 0.2695**, and if you desaturate by 10%, it is **67.6751, 0.2802, 0.3017**.

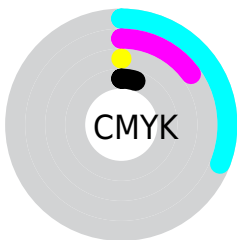
Distribution



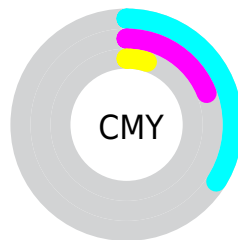
- Red (66%)
- Green (81%)
- Blue (95%)



- Red (66%)
- Yellow (76%)
- Blue (95%)



- Cyan (31%)
- Magenta (15%)
- Yellow (0%)
- Black (5%)



- Cyan (34%)
- Magenta (19%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8782, 0.2638, 0.2863 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 58.8782, 0.2638, 0.2863 by changing the saturation by 10% instead.

■ 58.8782, 0.2638,
0.2863

■ 58.8782, 0.2638,
0.2863

■ 420.4504, 0.2869,
0.3067

■ 42.5151, 0.2584,
0.2815

■ 103.2006, 0.2719,
0.2935

■ 29.5048, 0.2518,
0.2755

■ 131.9287, 0.2750,
0.2963

■ 19.4630, 0.2433,
0.2677

■ 165.5472, 0.2777,
0.2987

■ 12.0053, 0.2321,
0.2575

■ 204.4406, 0.2800,
0.3007

■ 6.7473, 0.2169,
0.2433

■ 248.9932, 0.2821,
0.3025

■ 3.3046, 0.1949,
0.2225

■ 299.5895, 0.2839,

■ 1.2927, 0.1612,

0.3041

0.1898

356.6137, 0.2855,
0.3055

0.1356, 0.0117,
0.0672

0.0000, 0.0000,
0.0000

58.8782, 0.2638,
0.2863

58.8782, 0.2638,
0.2863

51.0054, 0.2475,
0.2695

67.6751, 0.2802,
0.3017

44.0130, 0.2317,
0.2516

77.4235, 0.2963,
0.3158

37.8636, 0.2170,
0.2328

88.1579, 0.3118,
0.3283

32.5137, 0.2038,
0.2136

97.9978, 0.3204,
0.3397

■ 27.9142, 0.1927,
0.1945

■ 99.1919, 0.3203,
0.3415

■ 24.0084, 0.1839,
0.1760

■ 20.8814, 0.1776,
0.1594

Harmonies

Analogous

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



58.8782, 0.2587, 0.3028



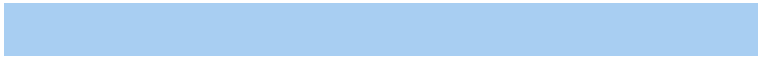
58.8782, 0.2638, 0.2863



58.8782, 0.2815, 0.2815

Triad

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



58.8782, 0.2638, 0.2863



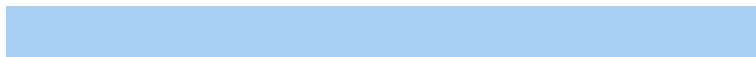
58.8782, 0.3603, 0.3272



58.8782, 0.3152, 0.3747

Complementary

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



58.8782, 0.2638, 0.2863



64.9117, 0.3703, 0.3681

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.



58.8782, 0.3431, 0.3801



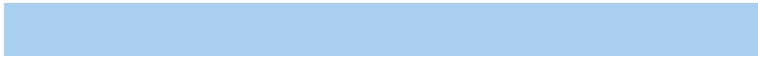
58.8782, 0.2638, 0.2863



58.8782, 0.3700, 0.3511

Square

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



58.8782, 0.2638, 0.2863



58.8782, 0.3372, 0.3047



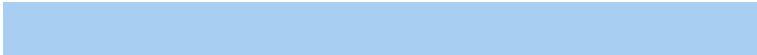
58.8782, 0.3634, 0.3708



58.8782, 0.2875, 0.3550

Rectangle

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



58.8782, 0.2638, 0.2863



58.8782, 0.2986, 0.2848



58.8782, 0.3634, 0.3708



58.8782, 0.3248, 0.3782

Sweetspot

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



58.8805, 0.2638, 0.2863



88.9827, 0.2987, 0.3178



76.1911, 0.2888, 0.3743



18.6832, 0.2964, 0.3159



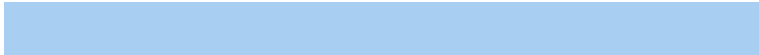
0.0000, 0.0000, 0.0000



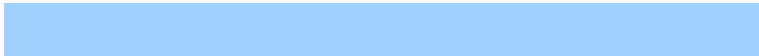
21.4041, 0.3127, 0.3290

Same Dimension

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



58.8805, 0.2638, 0.2863



60.3986, 0.2531, 0.2755



43.2081, 0.2585, 0.2407



16.5704, 0.2980, 0.3172



11.4908, 0.1784, 0.1623



1.1551, 0.1849, 0.1856

Inverse Universe

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



51.3484, 0.3467, 0.2882



51.2348, 0.3567, 0.2792



84.4914, 0.3593, 0.4043



15.8943, 0.3213, 0.3169



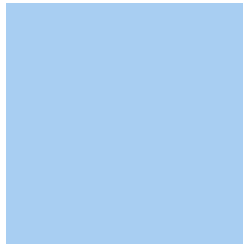
10.9534, 0.4902, 0.2474



0.9313, 0.4618, 0.2318

Previews

White Background



This preview shows how the Yxy color 58.8782, 0.2638, 0.2863 looks on a white background.

Color Contrast Check

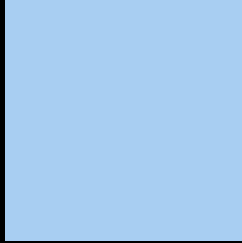
Large Text (above 18pt) WCAG AA × Fail

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 58.8782, 0.2638, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

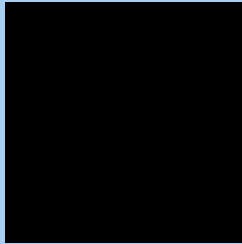
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

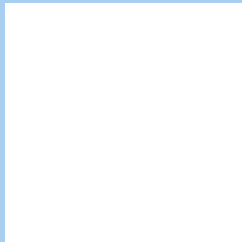
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8782, 0.2638, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 58.8782, 0.2638, 0.2863.

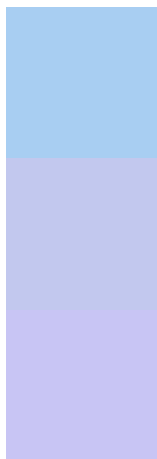


This preview shows how white text looks on a background with the Yxy color 58.8782, 0.2638, 0.2863.

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

58.8782, 0.2638, 0.2863

Protanopia

58.9509, 0.2825, 0.2855

Deuteranopia

58.7435, 0.2827, 0.2763



Tritanopia

58.9844, 0.2708, 0.3081

Trichromacy



Original Color

58.8782, 0.2638, 0.2863

Protanomaly

58.7873, 0.2759, 0.2860

Deuteranomaly

58.4710, 0.2753, 0.2796

Tritanomaly

58.9373, 0.2679, 0.2999

Monochromacy



Original Color

58.8782, 0.2638, 0.2863

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.8387, 0.2933, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8782, 0.2638, 0.2863 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(168, 206, 242)` looks like.

```
.text, #text, p{  
    color:rgb(168, 206, 242)  
}
```

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(168, 206, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 206, 242) }
```

Border

The CSS property to change the border of an element to Yxy 58.8782, 0.2638, 0.2863 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(168, 206, 242) }
```

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

```
.border{ border-color:rgb(168, 206, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 206, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 206, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 206, 242); box-shadow:4px 4px 4px 4px rgb(168, 206, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8782, 0.2638, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 206, 242) }
```

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

```
.background{ background-color: rgb(168,  
206, 242) }
```

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