

Converting Colors

$Yxy(58.8565, 0.2576, 0.2827)$

Have a look what the booklet for
Yxy(58.8565, 0.2576, 0.2827)
contains.

Yxy(58.8565, 0.2576, 0.2827)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.8565, 0.2576, 0.2827)

Conversions

Conversions Part 1

Format	Color
Hex	A1CFF6
RGB	161, 207, 246
RGB Percent	63%, 81%, 96%
CMY	0.3689, 0.1881, 0.0354
CMYK	0.35, 0.16, 0.00, 0.04
HSL	207°, 83%, 80%
HSV	207°, 35%, 96%
XYZ	53.6308, 58.8565, 95.7069
YIQ	197.6920, -39.9350, 2.3770

Conversions

Conversions Part 2

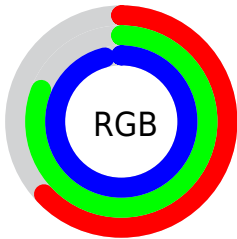
Format	Color
R _Y B	161, 191, 246
Decimal	10604534
CIE Lab	81.21, -5.85, -23.98
CIE LCh	81, 24.679, 256.287
Yxy	58.8565, 0.2576, 0.2827
Android (android.graphics.Color)	4288794614 (0xFFA1CFF6)
YUV	197.6920, 23.8158, -32.1789
Hunter-Lab	76.7180, -9.4735, -20.2626

Details

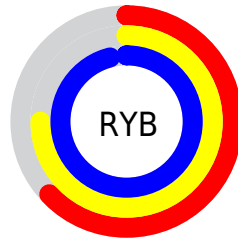
The Yxy color **58.8565, 0.2576, 0.2827** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.4136, 0.3805, 0.3709**, and the grayscale version is **56.1385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **29.5643, 0.2438, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **51.2846, 0.2418, 0.2665**, and if you desaturate by 10%, it is **67.3252, 0.2738, 0.2977**.

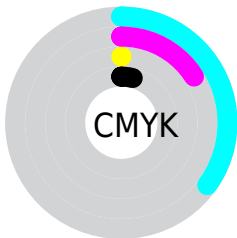
Distribution



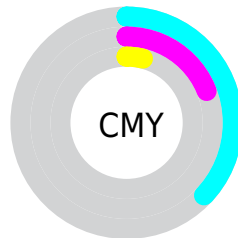
- Red (63%)
- Green (81%)
- Blue (96%)



- Red (63%)
- Yellow (75%)
- Blue (96%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)



- Cyan (37%)
- Magenta (19%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8565, 0.2576, 0.2827 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 58.8565, 0.2576, 0.2827 by changing the saturation by 10% instead.

■ 58.8565, 0.2576,
0.2827

■ 58.8565, 0.2576,
0.2827

420.3699, 0.2835,
0.3049

■ 42.4976, 0.2516,
0.2775

■ 103.1691, 0.2667,
0.2905

■ 29.4911, 0.2442,
0.2710

■ 131.8916, 0.2702,
0.2935

■ 19.4527, 0.2348,
0.2626

165.5040, 0.2732,
0.2961

■ 11.9978, 0.2225,
0.2515

204.3909, 0.2758,
0.2983

■ 6.7422, 0.2057,
0.2362

248.9365, 0.2781,
0.3003

■ 3.3014, 0.1820,
0.2140

299.5253, 0.2801,

■ 1.2910, 0.1463,

0.3020

0.1795

356.5416, 0.2819,
0.3035

0.1342, 0.0000,
0.0600

0.0000, 0.0000,
0.0000

58.8565, 0.2576,
0.2827

58.8565, 0.2576,
0.2827

51.2846, 0.2418,
0.2665

67.3252, 0.2738,
0.2977

44.5648, 0.2267,
0.2493

76.7188, 0.2899,
0.3114

38.6584, 0.2130,
0.2315

87.0724, 0.3057,
0.3238

33.5199, 0.2010,
0.2134

97.5894, 0.3181,
0.3349

■ 29.0976, 0.1911,
0.1955

■ 99.4327, 0.3179,
0.3376

■ 25.3295, 0.1836,
0.1782

■ 23.5150, 0.1803,
0.1692

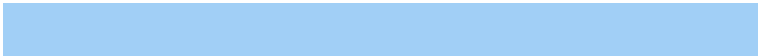
Harmonies

Analogous

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



58.8565, 0.2532, 0.3018



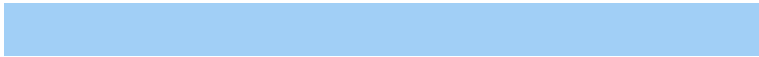
58.8565, 0.2576, 0.2827



58.8565, 0.2760, 0.2765

Triad

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



58.8565, 0.2576, 0.2827



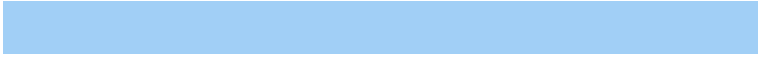
58.8565, 0.3639, 0.3246



58.8565, 0.3180, 0.3812

Complementary

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



58.8565, 0.2576, 0.2827



63.4136, 0.3805, 0.3709

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.



58.8565, 0.3486, 0.3856



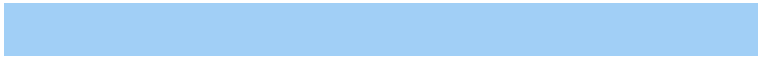
58.8565, 0.2576, 0.2827



58.8565, 0.3761, 0.3511

Square

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



58.8565, 0.2576, 0.2827



58.8565, 0.3373, 0.3003



58.8565, 0.3703, 0.3737



58.8565, 0.2870, 0.3603

Rectangle

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



58.8565, 0.2576, 0.2827



58.8565, 0.2944, 0.2795



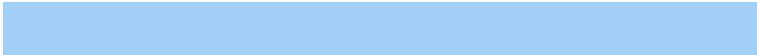
58.8565, 0.3703, 0.3737



58.8565, 0.3287, 0.3846

Sweetspot

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



58.8588, 0.2576, 0.2827



88.2536, 0.2971, 0.3172



77.6023, 0.2875, 0.3848



18.5549, 0.2949, 0.3155



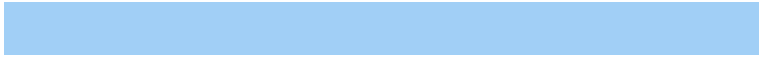
0.0000, 0.0000, 0.0000



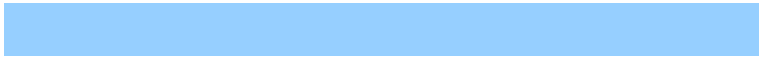
21.4041, 0.3127, 0.3290

Same Dimension

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



58.8588, 0.2576, 0.2827



58.4279, 0.2472, 0.2723



41.1956, 0.2506, 0.2305



17.4149, 0.2980, 0.3179



12.8376, 0.1811, 0.1719



1.3338, 0.1870, 0.1932

Inverse Universe

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



49.5585, 0.3505, 0.2802



47.7272, 0.3604, 0.2709



85.5030, 0.3662, 0.4115



16.6328, 0.3208, 0.3162



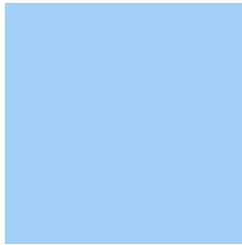
11.3953, 0.4783, 0.2408



1.0223, 0.4531, 0.2270

Previews

White Background



This preview shows how the Yxy color 58.8565, 0.2576, 0.2827 looks on a white background.

Color Contrast Check

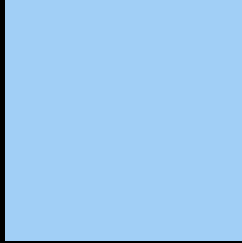
Large Text (above 18pt) WCAG AA × Fail

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 58.8565, 0.2576, 0.2827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

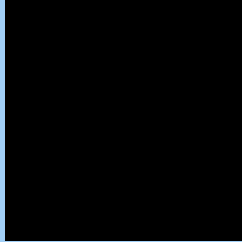
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

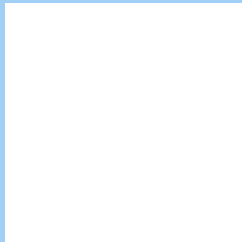
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8565, 0.2576, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 58.8565, 0.2576, 0.2827.



This preview shows how white text looks on a background with the Yxy color 58.8565, 0.2576, 0.2827.

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

58.8565, 0.2576, 0.2827

Protanopia

58.4042, 0.2792, 0.2810

Deuteranopia

58.5801, 0.2782, 0.2719



Tritanopia

58.7072, 0.2655, 0.3079

Trichromacy



Original Color

58.8565, 0.2576, 0.2827

Protanomaly

58.5359, 0.2709, 0.2814

Deuteranomaly

58.6790, 0.2704, 0.2762

Tritanomaly

58.8105, 0.2627, 0.2985

Monochromacy



Original Color

58.8565, 0.2576, 0.2827

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.9939, 0.2911, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8565, 0.2576, 0.2827 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(161, 207, 246)` looks like.

```
.text, #text, p{  
    color:rgb(161, 207, 246)  
}
```

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(161, 207, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 207, 246) }
```

Border

The CSS property to change the border of an element to Yxy 58.8565, 0.2576, 0.2827 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(161, 207, 246) }
```

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

```
.border{ border-color:rgb(161, 207, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 207, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 207, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 207, 246); box-shadow:4px 4px 4px 4px rgb(161, 207, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8565, 0.2576, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 207, 246) }
```

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

```
.background{ background-color: rgb(161,  
207, 246) }
```

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