

Converting Colors

$Y_{xy}(57.2975, 0.2608, 0.2814)$

Have a look what the booklet for
Yxy(57.2975, 0.2608, 0.2814)
contains.

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Color

Yxy(57.1823, 0.2610, 0.2813)

Conversions

Conversions Part 1

Format	Color
Hex	A5CBF3
RGB	165, 203, 243
RGB Percent	65%, 80%, 95%
CMY	0.3528, 0.2039, 0.0470
CMYK	0.32, 0.16, 0.00, 0.05
HSL	211°, 76%, 80%
HSV	211°, 32%, 95%
XYZ	53.0557, 57.1823, 93.0407
YIQ	196.1980, -35.4880, 4.3840

Conversions

Conversions Part 2

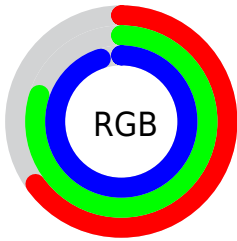
Format	Color
RYB	165, 191, 243
Decimal	10865651
CIELab	80.28, -3.32, -23.78
CIElCh	80, 24.015, 262.051
Yxy	57.1823, 0.2610, 0.2813
Android (android.graphics.Color)	4289055731 (0xFFA5CBF3)
YUV	196.1980, 23.0734, -27.3606
Hunter-Lab	75.6190, -7.0942, -20.0164

Details

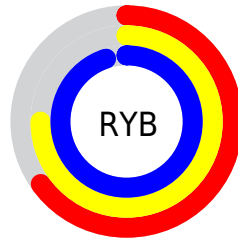
The Yxy color **57.1823, 0.2610, 0.2813** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.4569, 0.3731, 0.3722**, and the grayscale version is **55.2063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **28.4623, 0.2482, 0.2689** is the 20% darker color. If you saturate the color by 10%, you get **49.1665, 0.2445, 0.2633**, and if you desaturate by 10%, it is **66.1714, 0.2776, 0.2979**.

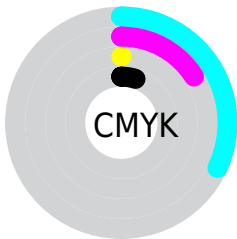
Distribution



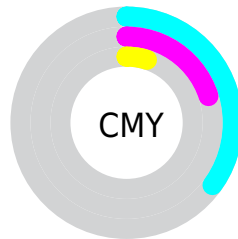
- Red (65%)
- Green (80%)
- Blue (95%)



- Red (65%)
- Yellow (75%)
- Blue (95%)



- Cyan (32%)
- Magenta (16%)
- Yellow (0%)
- Black (5%)



- Cyan (35%)
- Magenta (20%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1823, 0.2610, 0.2813 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 57.1823, 0.2610, 0.2813 by changing the saturation by 10% instead.

■ 57.1823, 0.2610,
0.2813

■ 57.1823, 0.2610,
0.2813

■ 414.1321, 0.2855,
0.3042

■ 41.1516, 0.2553,
0.2759

■ 100.7311, 0.2696,
0.2894

■ 28.4376, 0.2482,
0.2692

■ 129.0181, 0.2729,
0.2925

■ 18.6558, 0.2391,
0.2606

■ 162.1592, 0.2758,
0.2951

■ 11.4218, 0.2272,
0.2491

■ 200.5390, 0.2782,
0.2974

■ 6.3513, 0.2109,
0.2334

■ 244.5418, 0.2804,
0.2994

■ 3.0599, 0.1875,
0.2103

■ 294.5520, 0.2823,

■ 1.1631, 0.1517,

0.3012

0.1745

350.9539, 0.2840,
0.3028

0.0312, 0.0000,
0.0162

0.0000, 0.0000,
0.0000

57.1823, 0.2610,
0.2813

57.1823, 0.2610,
0.2813

49.1665, 0.2445,
0.2633

66.1714, 0.2776,
0.2979

42.0781, 0.2285,
0.2442

76.1636, 0.2938,
0.3129

35.8768, 0.2136,
0.2243

87.1957, 0.3095,
0.3264

30.5161, 0.2003,
0.2040

97.9023, 0.3198,
0.3385

■ 25.9436, 0.1891,
0.1840

■ 99.2516, 0.3197,
0.3405

■ 22.0981, 0.1804,
0.1648

■ 19.5031, 0.1752,
0.1505

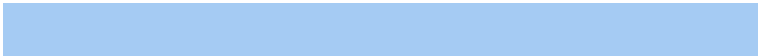
Harmonies

Analogous

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



57.1823, 0.2539, 0.2978



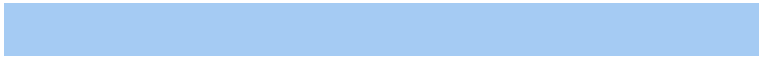
57.1823, 0.2610, 0.2813



57.1823, 0.2815, 0.2776

Triad

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



57.1823, 0.2610, 0.2813



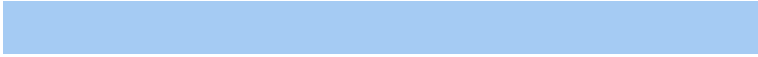
57.1823, 0.3666, 0.3297



57.1823, 0.3118, 0.3774

Complementary

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



57.1823, 0.2610, 0.2813



65.4569, 0.3731, 0.3722

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.



57.1823, 0.3427, 0.3851



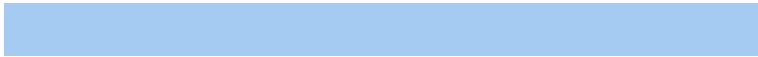
57.1823, 0.2610, 0.2813



57.1823, 0.3753, 0.3555

Square

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



57.1823, 0.2610, 0.2813



57.1823, 0.3426, 0.3050



57.1823, 0.3662, 0.3762



57.1823, 0.2823, 0.3545

Rectangle

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



57.1823, 0.2610, 0.2813



57.1823, 0.3006, 0.2822



57.1823, 0.3662, 0.3762



57.1823, 0.3224, 0.3819

Sweetspot

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



57.1845, 0.2610, 0.2813



87.4144, 0.2971, 0.3158



76.4694, 0.2870, 0.3753



18.3520, 0.2949, 0.3138



0.0000, 0.0000, 0.0000



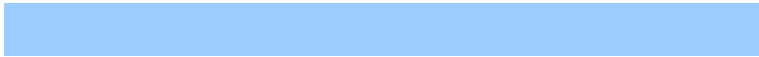
21.4041, 0.3127, 0.3290

Same Dimension

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



57.1845, 0.2610, 0.2813



57.4148, 0.2494, 0.2689



41.3956, 0.2552, 0.2339



17.2587, 0.2980, 0.3165



10.9712, 0.1759, 0.1533



1.1693, 0.1823, 0.1763

Inverse Universe

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



50.2892, 0.3508, 0.2882



49.2444, 0.3624, 0.2791



85.8802, 0.3612, 0.4092



16.6170, 0.3217, 0.3175



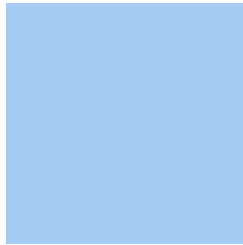
11.2069, 0.5016, 0.2537



1.0057, 0.4729, 0.2379

Previews

White Background



This preview shows how the Yxy color 57.1823, 0.2610, 0.2813 looks on a white background.

Color Contrast Check

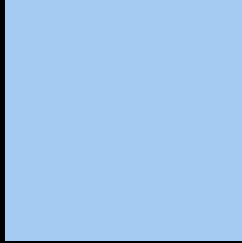
Large Text (above 18pt) WCAG AA × Fail

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 57.1823, 0.2610, 0.2813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

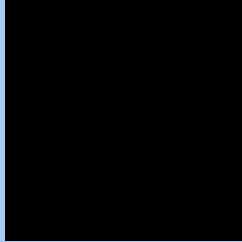
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

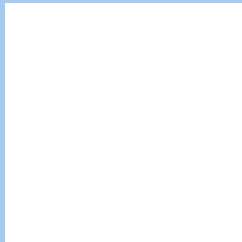
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.1823, 0.2610, 0.2813

Background



This preview shows how black text looks on a background with the Yxy color 57.1823, 0.2610, 0.2813.



This preview shows how white text looks on a background with the Yxy color 57.1823, 0.2610, 0.2813.

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

57.1823, 0.2610, 0.2813

Protanopia

57.1116, 0.2789, 0.2805

Deuteranopia

57.2249, 0.2785, 0.2724



Tritanopia

56.9439, 0.2697, 0.3078

Trichromacy



Original Color

57.1823, 0.2610, 0.2813

Protanomaly

56.9619, 0.2724, 0.2810

Deuteranomaly

57.1102, 0.2719, 0.2758

Tritanomaly

57.0572, 0.2667, 0.2983

Monochromacy



Original Color

57.1823, 0.2610, 0.2813

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.9652, 0.2923, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1823, 0.2610, 0.2813 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(165, 203, 243)` looks like.

```
.text, #text, p{  
    color:rgb(165, 203, 243)  
}
```

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(165, 203, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 203, 243) }
```

Border

The CSS property to change the border of an element to Yxy 57.1823, 0.2610, 0.2813 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(165, 203, 243) }
```

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

```
.border{ border-color:rgb(165, 203, 243) }
```

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

Here you see how a box with a 4 pixel rgb(165, 203, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 203, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 203, 243);  
box-shadow:4px 4px 4px 4px rgb(165, 203,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1823, 0.2610, 0.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 203, 243) }
```

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

```
.background{ background-color: rgb(165,  
203, 243) }
```

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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