

Converting Colors

$Yxy(57.8023, 0.2785, 0.2991)$

Have a look what the booklet for
Yxy(57.8023, 0.2785, 0.2991)
contains.

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Color

Yxy(57.8970, 0.2787, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	B3CBE4
RGB	179, 203, 228
RGB Percent	70%, 80%, 89%
CMY	0.2981, 0.2039, 0.1059
CMYK	0.21, 0.11, 0.00, 0.11
HSL	211°, 48%, 80%
HSV	211°, 21%, 89%
XYZ	53.9482, 57.8970, 81.7256
YIQ	198.6740, -22.3290, 2.6870

Conversions

Conversions Part 2

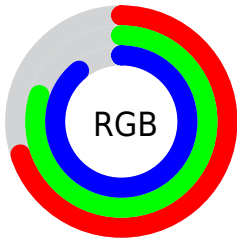
Format	Color
RYB	179, 195, 228
Decimal	11783140
CIELab	80.68, -2.75, -15.07
CIELCh	81, 15.315, 259.666
Yxy	57.8970, 0.2787, 0.2991
Android (android.graphics.Color)	4289973220 (0xFFB3CBE4)
YUV	198.6740, 14.4577, -17.2541
Hunter-Lab	76.0901, -6.6005, -10.4182

Details

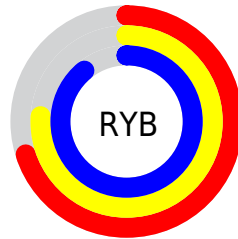
The Yxy color **57.8970, 0.2787, 0.2991** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.9260, 0.3503, 0.3572**, and the grayscale version is **56.8248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **28.9476, 0.2702, 0.2908** is the 20% darker color. If you saturate the color by 10%, you get **50.1159, 0.2622, 0.2828**, and if you desaturate by 10%, it is **66.5438, 0.2949, 0.3139**.

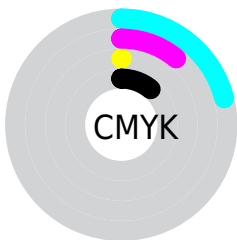
Distribution



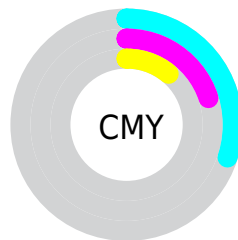
- Red (70%)
- Green (80%)
- Blue (89%)



- Red (70%)
- Yellow (76%)
- Blue (89%)



- Cyan (21%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8970, 0.2787, 0.2991 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 57.8970, 0.2787, 0.2991 by changing the saturation by 10% instead.

■ 57.8970, 0.2787,
0.2991

■ 57.8970, 0.2787,
0.2991

416.8020, 0.2949,
0.3135

■ 41.7258, 0.2749,
0.2957

■ 101.7729, 0.2844,
0.3042

■ 28.8867, 0.2701,
0.2914

130.2463, 0.2866,
0.3062

■ 18.9951, 0.2639,
0.2858

163.5894, 0.2885,
0.3078

■ 11.6667, 0.2557,
0.2783

202.1864, 0.2901,
0.3093

■ 6.5172, 0.2443,
0.2678

246.4218, 0.2916,
0.3105

■ 3.1620, 0.2272,
0.2520

296.6799, 0.2928,

■ 1.2169, 0.1995,

0.3116

0.2257

353.3452, 0.2939,
0.3126

0.0754, 0.0038,
0.0615

0.0000, 0.0000,
0.0000

57.8970, 0.2787,
0.2991

57.8970, 0.2787,
0.2991

50.1159, 0.2622,
0.2828

66.5438, 0.2949,
0.3139

43.1625, 0.2458,
0.2651

76.0785, 0.3105,
0.3272

37.0059, 0.2298,
0.2463

86.5312, 0.3253,
0.3389

31.6102, 0.2149,
0.2266

94.9317, 0.3292,
0.3500

■ 26.9360, 0.2015,
0.2065

■ 98.3811, 0.3286,
0.3552

■ 22.9392, 0.1903,
0.1866

■ 19.5684, 0.1814,
0.1675

■ 17.1281, 0.1756,
0.1522

Harmonies

Analogous

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



57.8970, 0.2748, 0.3107



57.8970, 0.2787, 0.2991



57.8970, 0.2915, 0.2956

Triad

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



57.8970, 0.2787, 0.2991



57.8970, 0.3459, 0.3286



57.8970, 0.3141, 0.3599

Complementary

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



57.8970, 0.2787, 0.2991



62.9260, 0.3503, 0.3572

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.



57.8970, 0.3335, 0.3642



57.8970, 0.2787, 0.2991



57.8970, 0.3522, 0.3453

Square

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



57.8970, 0.2787, 0.2991



57.8970, 0.3303, 0.3124



57.8970, 0.3476, 0.3586



57.8970, 0.2948, 0.3464

Rectangle

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



57.8970, 0.2787, 0.2991



57.8970, 0.3037, 0.2980



57.8970, 0.3476, 0.3586



57.8970, 0.3208, 0.3625

Sweetspot

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



57.8994, 0.2787, 0.2991



92.3351, 0.3035, 0.3213



69.4025, 0.2950, 0.3582



19.5904, 0.3024, 0.3204



0.0000, 0.0000, 0.0000



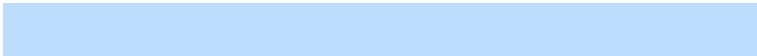
21.4041, 0.3127, 0.3290

Same Dimension

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



57.8994, 0.2787, 0.2991



69.8128, 0.2710, 0.2917



47.4233, 0.2766, 0.2693



15.0474, 0.2981, 0.3167



10.1269, 0.1764, 0.1549



0.9339, 0.1838, 0.1816

Inverse Universe

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



53.0441, 0.3354, 0.3021



62.7568, 0.3417, 0.2960



75.2313, 0.3451, 0.3825



14.4851, 0.3216, 0.3175



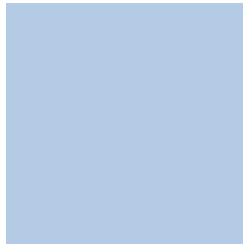
10.2200, 0.4996, 0.2526



0.7740, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 57.8970, 0.2787, 0.2991 looks on a white background.

Color Contrast Check

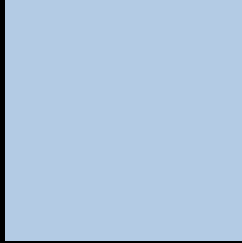
Large Text (above 18pt) WCAG AA × Fail

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 57.8970, 0.2787, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

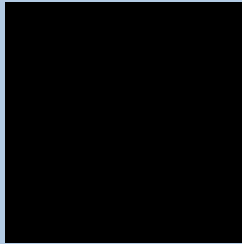
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

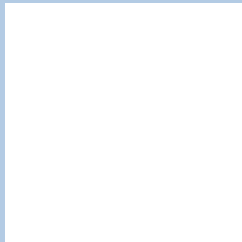
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.8970, 0.2787, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 57.8970, 0.2787, 0.2991.



This preview shows how white text looks on a background with the Yxy color 57.8970, 0.2787, 0.2991.

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

57.8970, 0.2787, 0.2991

Protanopia

57.5602, 0.2923, 0.2975

Deuteranopia

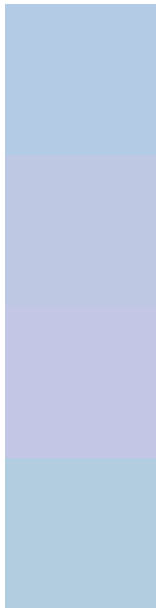
57.7225, 0.2955, 0.2892



Tritanopia

57.8712, 0.2824, 0.3084

Trichromacy



Original Color

57.8970, 0.2787, 0.2991

Protanomaly

57.7467, 0.2874, 0.2984

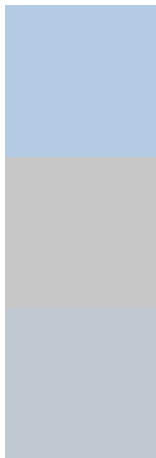
Deuteranomaly

57.7811, 0.2896, 0.2931

Tritanomaly

58.0325, 0.2806, 0.3049

Monochromacy



Original Color

57.8970, 0.2787, 0.2991

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.1682, 0.2996, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8970, 0.2787, 0.2991 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, 203, 228)` looks like.

```
.text, #text, p{  
    color:rgb(179, 203, 228)  
}
```

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, 203, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 203, 228) }
```

Border

The CSS property to change the border of an element to Yxy 57.8970, 0.2787, 0.2991 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, 203, 228) }
```

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

```
.border{ border-color:rgb(179, 203, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 203, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 203, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 203, 228);  
box-shadow:4px 4px 4px 4px rgb(179, 203,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8970, 0.2787, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 203, 228) }
```

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

```
.background{ background-color: rgb(179,  
203, 228) }
```

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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