

Converting Colors

$Y_{xy}(55.3186, 0.2876, 0.2979)$

Have a look what the booklet for
Yxy(55.3186, 0.2876, 0.2979)
contains.

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Color

Yxy(55.3186, 0.2876, 0.2979)

Conversions

Conversions Part 1

Format	Color
Hex	BBC4DE
RGB	187, 196, 222
RGB Percent	73%, 77%, 87%
CMY	0.2669, 0.2313, 0.1294
CMYK	0.16, 0.12, 0.00, 0.13
HSL	224°, 35%, 80%
HSV	224°, 16%, 87%
XYZ	53.4059, 55.3186, 76.9707
YIQ	196.2730, -13.7100, 6.1780

Conversions

Conversions Part 2

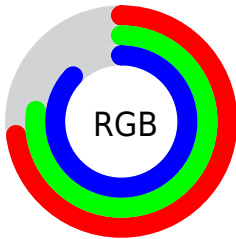
Format	Color
RYB	187, 194, 222
Decimal	12305630
CIELab	79.22, 2.14, -13.98
CIElCh	79, 14.146, 278.707
Yxy	55.3186, 0.2876, 0.2979
Android (android.graphics.Color)	4290495710 (0xFFBBC4DE)
YUV	196.2730, 12.6834, -8.1324
Hunter-Lab	74.3765, -1.9871, -9.2945

Details

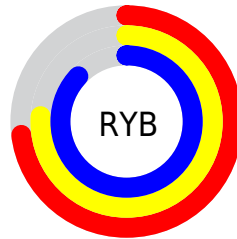
The Yxy color **55.3186, 0.2876, 0.2979** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.6594, 0.3379, 0.3583**, and the grayscale version is **55.2984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5252, 0.3054, 0.3270**, and **27.2044, 0.2814, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **45.7170, 0.2701, 0.2751**, and if you desaturate by 10%, it is **66.1709, 0.3039, 0.3183**.

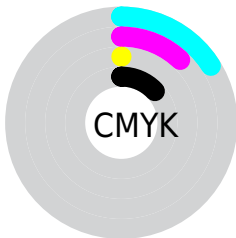
Distribution



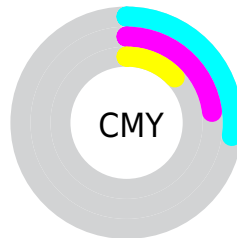
- Red (73%)
- Green (77%)
- Blue (87%)



- Red (73%)
- Yellow (76%)
- Blue (87%)



- Cyan (16%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3186, 0.2876, 0.2979 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 55.3186, 0.2876, 0.2979 by changing the saturation by 10% instead.

■ 55.3186, 0.2876,
0.2979

■ 55.3186, 0.2876,
0.2979

407.1185, 0.2998,
0.3129

■ 39.6569, 0.2847,
0.2943

■ 98.0076, 0.2919,
0.3032

■ 27.2711, 0.2810,
0.2899

125.8036, 0.2936,
0.3052

■ 17.7769, 0.2762,
0.2841

158.4133, 0.2950,
0.3070

■ 10.7900, 0.2698,
0.2763

196.2208, 0.2962,
0.3085

■ 5.9258, 0.2606,
0.2654

239.6107, 0.2973,
0.3098

■ 2.8000, 0.2467,
0.2488

288.9674, 0.2982,

■ 1.0282, 0.2229,

0.3109

0.2212

344.6752, 0.2990,
0.3119

0.0000, 0.0000,
0.0000

55.3186, 0.2876,
0.2979

55.3186, 0.2876,
0.2979

45.7170, 0.2701,
0.2751

66.1709, 0.3039,
0.3183

37.3132, 0.2517,
0.2501

78.3104, 0.3188,
0.3363

30.0607, 0.2329,
0.2232

91.7807, 0.3324,
0.3521

23.9072, 0.2143,
0.1952

98.0540, 0.3321,
0.3611

18.7959, 0.1969,
0.1670

■ 14.6647, 0.1816,
0.1402

■ 11.4439, 0.1694,
0.1161

■ 9.0527, 0.1608,
0.0960

■ 8.2542, 0.1580,
0.0889

Harmonies

Analogous

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



55.3186, 0.2784, 0.3041



55.3186, 0.2876, 0.2979



55.3186, 0.3037, 0.2997

Triad

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



55.3186, 0.2876, 0.2979



55.3186, 0.3487, 0.3388



55.3186, 0.3022, 0.3507

Complementary

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



55.3186, 0.2876, 0.2979



66.6594, 0.3379, 0.3583

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.



55.3186, 0.3210, 0.3605



55.3186, 0.2876, 0.2979



55.3186, 0.3482, 0.3529

Square

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



55.3186, 0.2876, 0.2979



55.3186, 0.3393, 0.3228



55.3186, 0.3379, 0.3611



55.3186, 0.2866, 0.3346

Rectangle

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



55.3186, 0.2876, 0.2979



55.3186, 0.3163, 0.3050



55.3186, 0.3379, 0.3611



55.3186, 0.3084, 0.3549

Sweetspot

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



55.3209, 0.2876, 0.2979



91.7825, 0.3051, 0.3197



67.5865, 0.2946, 0.3399



19.4058, 0.3040, 0.3184



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.



55.3209, 0.2876, 0.2979



71.1402, 0.2819, 0.2905



52.4042, 0.2934, 0.2875



13.8180, 0.2981, 0.3111



5.0560, 0.1587, 0.0912



0.4938, 0.1670, 0.1210

Inverse Universe

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



55.0290, 0.3350, 0.3187



70.7881, 0.3407, 0.3163



70.0977, 0.3302, 0.3688



13.7586, 0.3251, 0.3229



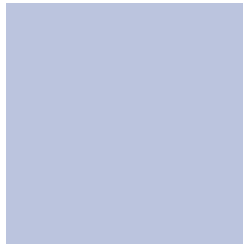
9.4184, 0.5892, 0.3020



0.6673, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 55.3186, 0.2876, 0.2979 looks on a white background.

Color Contrast Check

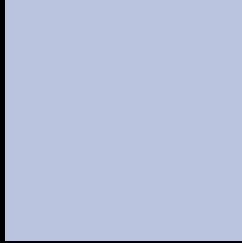
Large Text (above 18pt) WCAG AA × Fail

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 55.3186, 0.2876, 0.2979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

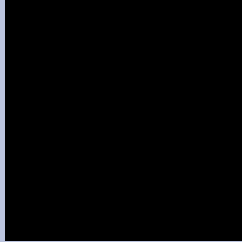
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.3186, 0.2876, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 55.3186, 0.2876, 0.2979.

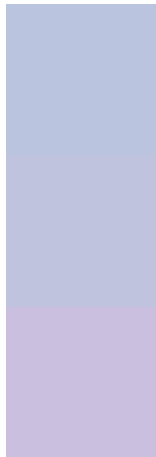


This preview shows how white text looks on a background with the Yxy color 55.3186, 0.2876, 0.2979.

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

55.3186, 0.2876, 0.2979

Protanopia

55.4571, 0.2919, 0.2981

Deuteranopia

55.1459, 0.2980, 0.2919



Tritanopia

55.0509, 0.2923, 0.3095

Trichromacy



Original Color

55.3186, 0.2876, 0.2979

Protanomaly

55.1978, 0.2905, 0.2980

Deuteranomaly

55.3380, 0.2943, 0.2938

Tritanomaly

55.3295, 0.2910, 0.3060

Monochromacy



Original Color

55.3186, 0.2876, 0.2979

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.2251, 0.3038, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3186, 0.2876, 0.2979 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(187, 196, 222)` looks like.

```
.text, #text, p{  
    color:rgb(187, 196, 222)  
}
```

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(187, 196, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 196, 222) }
```

Border

The CSS property to change the border of an element to Yxy 55.3186, 0.2876, 0.2979 is called "border". The border property can be set on classes, ids or directly on the HTML element.

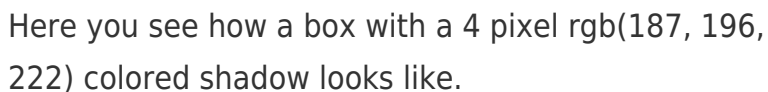
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 196, 222) }
```

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

```
.border{ border-color:rgb(187, 196, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 196, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 196, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 196, 222); box-shadow:4px 4px 4px 4px rgb(187, 196, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3186, 0.2876, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 196, 222) }
```

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

```
.background{ background-color: rgb(187,  
196, 222) }
```

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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