

Converting Colors

Yxy(56.8558, 0.2712, 0.2833)

Have a look what the booklet for
Yxy(56.8558, 0.2712, 0.2833)
contains.

Yxy(57.0055, 0.2711, 0.2831)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.0055, 0.2711, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	B2C8EF
RGB	178, 200, 239
RGB Percent	70%, 78%, 94%
CMY	0.3020, 0.2156, 0.0628
CMYK	0.26, 0.16, 0.00, 0.06
HSL	218°, 66%, 82%
HSV	218°, 26%, 94%
XYZ	54.5892, 57.0055, 89.7671
YIQ	197.8680, -25.6310, 7.4650

Conversions

Conversions Part 2

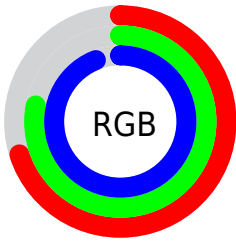
Format	Color
RYB	178, 194, 239
Decimal	11716847
CIELab	80.18, 1.04, -21.70
CIElCh	80, 21.727, 272.733
Yxy	57.0055, 0.2711, 0.2831
Android (android.graphics.Color)	4289906927 (0xFFB2C8EF)
YUV	197.8680, 20.2781, -17.4242
Hunter-Lab	75.5020, -3.0701, -17.6406

Details

The Yxy color **57.0055, 0.2711, 0.2831** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.1630, 0.3567, 0.3710**, and the grayscale version is **56.2736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **28.2618, 0.2604, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **47.6996, 0.2535, 0.2616**, and if you desaturate by 10%, it is **67.5147, 0.2881, 0.3027**.

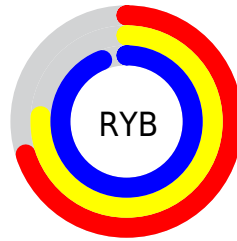
Distribution



Red (70%)

Green (78%)

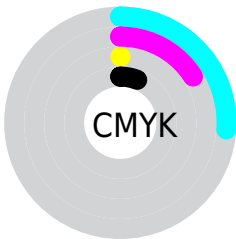
Blue (94%)



Red (70%)

Yellow (76%)

Blue (94%)

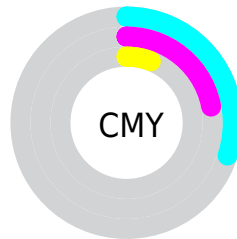


Cyan (26%)

Magenta (16%)

Yellow (0%)

Black (6%)



Cyan (30%)

Magenta (22%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0055, 0.2711, 0.2831 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 57.0055, 0.2711, 0.2831 by changing the saturation by 10% instead.

■ 57.0055, 0.2711,
0.2831

■ 57.0055, 0.2711,
0.2831

413.4699, 0.2910,
0.3050

■ 41.0097, 0.2664,
0.2780

■ 100.4732, 0.2781,
0.2908

■ 28.3266, 0.2606,
0.2716

128.7139, 0.2808,
0.2938

■ 18.5720, 0.2531,
0.2634

161.8049, 0.2831,
0.2963

■ 11.3614, 0.2431,
0.2525

200.1308, 0.2851,
0.2985

■ 6.3105, 0.2293,
0.2376

244.0758, 0.2869,
0.3004

■ 3.0348, 0.2091,
0.2157

294.0244, 0.2884,

■ 1.1499, 0.1772,

0.3021

0.1814

350.3610, 0.2898,
0.3036

0.0202, 0.0258,
0.0117

0.0000, 0.0000,
0.0000

57.0055, 0.2711,
0.2831

57.0055, 0.2711,
0.2831

47.6996, 0.2535,
0.2616

67.5147, 0.2881,
0.3027

39.5441, 0.2357,
0.2384

79.2638, 0.3043,
0.3202

32.4916, 0.2183,
0.2140

92.2961, 0.3193,
0.3357

26.4889, 0.2021,
0.1891

99.0105, 0.3220,
0.3444

■ 21.4771, 0.1879,
0.1646

■ 17.3902, 0.1762,
0.1415

■ 14.1511, 0.1677,
0.1208

■ 12.9321, 0.1646,
0.1125

Harmonies

Analogous

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



57.0055, 0.2600, 0.2942



57.0055, 0.2711, 0.2831



57.0055, 0.2933, 0.2838

Triad

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



57.0055, 0.2711, 0.2831



57.0055, 0.3661, 0.3384



57.0055, 0.3020, 0.3666

Complementary

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



57.0055, 0.2711, 0.2831



71.1630, 0.3567, 0.3710

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.



57.0055, 0.3304, 0.3789



57.0055, 0.2711, 0.2831



57.0055, 0.3682, 0.3608

Square

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



57.0055, 0.2711, 0.2831



57.0055, 0.3487, 0.3148



57.0055, 0.3549, 0.3762



57.0055, 0.2772, 0.3427

Rectangle

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



57.0055, 0.2711, 0.2831



57.0055, 0.3120, 0.2904



57.0055, 0.3549, 0.3762



57.0055, 0.3114, 0.3723

Sweetspot

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



57.0078, 0.2711, 0.2831



88.2981, 0.3003, 0.3160



76.1719, 0.2873, 0.3548



18.4513, 0.2979, 0.3134



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.



57.0078, 0.2711, 0.2831



59.8647, 0.2613, 0.2713



48.5220, 0.2746, 0.2573



16.1630, 0.2980, 0.3135



7.3747, 0.1654, 0.1153



0.7959, 0.1727, 0.1415

Inverse Universe

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



54.3541, 0.3476, 0.3051



56.6744, 0.3579, 0.2996



81.8953, 0.3455, 0.3940



15.8532, 0.3236, 0.3205



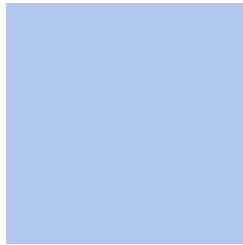
10.5378, 0.5533, 0.2822



0.8951, 0.5170, 0.2622

Previews

White Background



This preview shows how the Yxy color 57.0055, 0.2711, 0.2831 looks on a white background.

Color Contrast Check

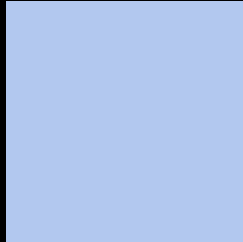
Large Text (above 18pt) WCAG AA × Fail

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 57.0055, 0.2711, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

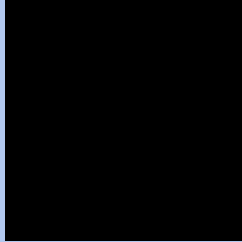
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

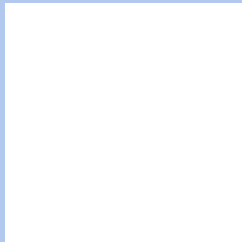
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.0055, 0.2711, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 57.0055, 0.2711, 0.2831.



This preview shows how white text looks on a background with the Yxy color 57.0055, 0.2711, 0.2831.

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

57.0055, 0.2711, 0.2831

Protanopia

56.9941, 0.2802, 0.2827

Deuteranopia

56.7452, 0.2830, 0.2766



Tritanopia

56.8778, 0.2803, 0.3082

Trichromacy



Original Color

57.0055, 0.2711, 0.2831

Protanomaly

57.0003, 0.2769, 0.2824

Deuteranomaly

56.7183, 0.2782, 0.2783

Tritanomaly

56.9011, 0.2765, 0.2988

Monochromacy



Original Color

57.0055, 0.2711, 0.2831

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.7273, 0.2967, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0055, 0.2711, 0.2831 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(178, 200, 239)` looks like.

```
.text, #text, p{  
    color:rgb(178, 200, 239)  
}
```

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(178, 200, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 200, 239) }
```

Border

The CSS property to change the border of an element to Yxy 57.0055, 0.2711, 0.2831 is called "border". The border property can be set on classes, ids or directly on the HTML element.

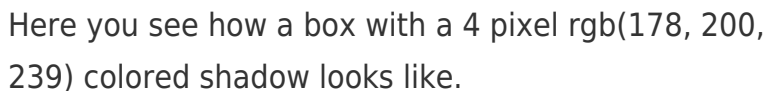
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 200, 239) }
```

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

```
.border{ border-color:rgb(178, 200, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 200, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 200, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 200, 239); box-shadow:4px 4px 4px 4px rgb(178, 200, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0055, 0.2711, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 200, 239) }
```

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

```
.background{ background-color: rgb(178,  
200, 239) }
```

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