

Converting Colors

Yxy(56.9828, 0.2673, 0.2617)

Have a look what the booklet for
Yxy(56.9828, 0.2673, 0.2617)
contains.

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Color

Yxy(56.8150, 0.2671, 0.2614)

Conversions

Conversions Part 1

Format	Color
Hex	BBC3FF
RGB	187, 195, 255
RGB Percent	73%, 76%, 100%
CMY	0.2666, 0.2353, 0.0002
CMYK	0.27, 0.24, 0.00, 0.00
HSL	233°, 100%, 87%
HSV	233°, 27%, 100%
XYZ	58.0539, 56.8150, 102.4800
YIQ	199.4480, -24.0280, 16.9640

Conversions

Conversions Part 2

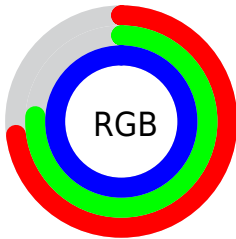
Format	Color
RYB	187, 194, 255
Decimal	12305407
CIELab	80.08, 10.11, -30.35
CIElCh	80, 31.993, 288.424
Yxy	56.8150, 0.2671, 0.2614
Android (android.graphics.Color)	4290495487 (0xFFBBC3FF)
YUV	199.4480, 27.3871, -10.9169
Hunter-Lab	75.3757, 5.5720, -27.8470

Details

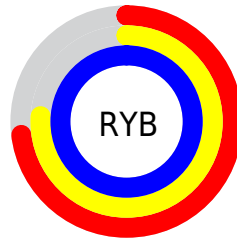
The Yxy color **56.8150, 0.2671, 0.2614** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.3361, 0.3550, 0.3886**, and the grayscale version is **57.2430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4475, 0.3060, 0.3251**, and **28.0325, 0.2552, 0.2447** is the 20% darker color. If you saturate the color by 10%, you get **44.5493, 0.2472, 0.2309**, and if you desaturate by 10%, it is **71.1743, 0.2856, 0.2893**.

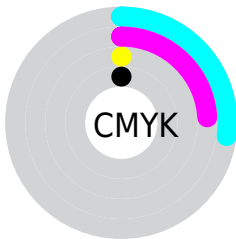
Distribution



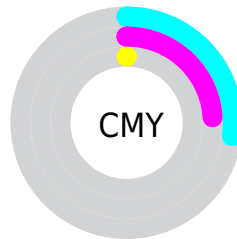
- Red (73%)
- Green (76%)
- Blue (100%)



- Red (73%)
- Yellow (76%)
- Blue (100%)



- Cyan (27%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8150, 0.2671, 0.2614 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 56.8150, 0.2671, 0.2614 by changing the saturation by 10% instead.

■ 56.8150, 0.2671,
0.2614

■ 56.8150, 0.2671,
0.2614

■ 412.7557, 0.2890,
0.2928

■ 40.8567, 0.2620,
0.2542

■ 100.1952, 0.2748,
0.2723

■ 28.2072, 0.2555,
0.2454

■ 128.3859, 0.2778,
0.2765

■ 18.4819, 0.2473,
0.2344

■ 161.4229, 0.2803,
0.2802

■ 11.2965, 0.2365,
0.2200

■ 199.6906, 0.2825,
0.2834

■ 6.2666, 0.2216,
0.2009

■ 243.5733, 0.2845,
0.2862

■ 3.0079, 0.2002,
0.1744

■ 293.4554, 0.2861,

■ 1.1358, 0.1675,

0.2886

0.1361

349.7215, 0.2876,
0.2909

0.0084, 0.0870,
0.0029

0.0000, 0.0000,
0.0000

56.8150, 0.2671,
0.2614

56.8150, 0.2671,
0.2614

44.5493, 0.2472,
0.2309

71.1743, 0.2856,
0.2893

34.2726, 0.2267,
0.1987

87.7120, 0.3025,
0.3141

25.8815, 0.2065,
0.1660

99.9975, 0.3127,
0.3290

19.2601, 0.1878,
0.1347

■ 14.2801, 0.1720,
0.1071

■ 10.7949, 0.1604,
0.0852

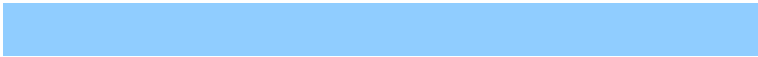
■ 8.6305, 0.1534,
0.0703

■ 8.1473, 0.1519,
0.0669

Harmonies

Analogous

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



56.8150, 0.2426, 0.2675



56.8150, 0.2671, 0.2614



56.8150, 0.3050, 0.2711

Triad

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



56.8150, 0.2671, 0.2614



56.8150, 0.3964, 0.3589



56.8150, 0.2762, 0.3680

Complementary

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



56.8150, 0.2671, 0.2614



91.3361, 0.3550, 0.3886

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.



56.8150, 0.3159, 0.3974



56.8150, 0.2671, 0.2614



56.8150, 0.3864, 0.3882

Square

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



56.8150, 0.2671, 0.2614



56.8150, 0.3820, 0.3250



56.8150, 0.3565, 0.4039



56.8150, 0.2474, 0.3271

Rectangle

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



56.8150, 0.2671, 0.2614



56.8150, 0.3336, 0.2851



56.8150, 0.3565, 0.4039



56.8150, 0.2886, 0.3798

Sweetspot

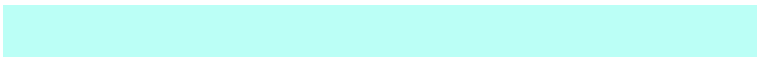
The Sweet Spot groups the original color and five complimentary colors.



56.8173, 0.2671, 0.2614



85.3840, 0.3003, 0.3110



88.7080, 0.2781, 0.3386



17.7221, 0.2979, 0.3073



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.



56.8173, 0.2671, 0.2614



50.0210, 0.2566, 0.2454



56.7462, 0.2837, 0.2557



17.7221, 0.2979, 0.3073



4.3666, 0.1523, 0.0684



0.5303, 0.1564, 0.0830

Inverse Universe

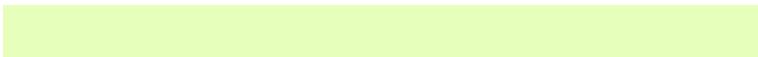
The Inverse Universe completely reimagines the original color for something new.



60.7362, 0.3637, 0.3208



54.7201, 0.3779, 0.3191



91.9131, 0.3364, 0.3997



18.0219, 0.3276, 0.3262



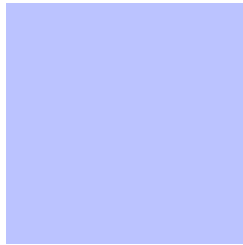
11.1688, 0.6259, 0.3222



1.0981, 0.6022, 0.3091

Previews

White Background



This preview shows how the Yxy color 56.8150, 0.2671, 0.2614 looks on a white background.

Color Contrast Check

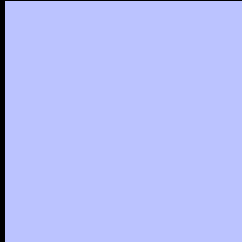
Large Text (above 18pt) WCAG AA × Fail

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 56.8150, 0.2671, 0.2614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

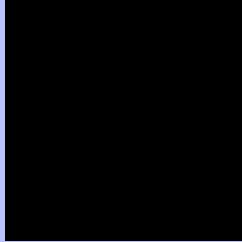
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8150, 0.2671, 0.2614

Background



This preview shows how black text looks on a background with the Yxy color 56.8150, 0.2671, 0.2614.



This preview shows how white text looks on a background with the Yxy color 56.8150, 0.2671, 0.2614.

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

56.8150, 0.2671, 0.2614

Protanopia

56.7671, 0.2646, 0.2620

Deuteranopia

56.9416, 0.2677, 0.2615



Tritanopia

57.0063, 0.2856, 0.3095

Trichromacy



Original Color

56.8150, 0.2671, 0.2614

Protanomaly

56.8902, 0.2652, 0.2622

Deuteranomaly

56.9416, 0.2677, 0.2615

Tritanomaly

56.6836, 0.2792, 0.2911

Monochromacy



Original Color

56.8150, 0.2671, 0.2614

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.1047, 0.2956, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8150, 0.2671, 0.2614 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, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 195, 255)  
}
```

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, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.8150, 0.2671, 0.2614 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, 195, 255) }
```

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

```
.border{ border-color:rgb(187, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 195,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8150, 0.2671, 0.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 195, 255) }
```

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

```
.background{ background-color: rgb(187,  
195, 255) }
```

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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