

Converting Colors

$Y_{xy}(55.7330, 0.2686, 0.2620)$

Have a look what the booklet for
Yxy(55.7330, 0.2686, 0.2620)
contains.

Yxy(55.7330, 0.2686, 0.2620)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.7330, 0.2686, 0.2620)

Conversions

Conversions Part 1

Format	Color
Hex	BBC1FC
RGB	187, 193, 252
RGB Percent	73%, 76%, 99%
CMY	0.2666, 0.2431, 0.0117
CMYK	0.26, 0.23, 0.00, 0.01
HSL	234°, 92%, 86%
HSV	234°, 26%, 99%
XYZ	57.1370, 55.7330, 99.8514
YIQ	197.9320, -22.5150, 17.0770

Conversions

Conversions Part 2

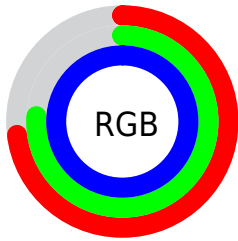
Format	Color
R _Y B	187, 192, 252
Decimal	12304892
CIE Lab	79.46, 10.51, -29.72
CIE LCh	79, 31.525, 289.478
Yxy	55.7330, 0.2686, 0.2620
Android (android.graphics.Color)	4290494972 (0xFFBBC1FC)
YUV	197.9320, 26.6555, -9.5874
Hunter-Lab	74.6545, 5.9698, -27.0430

Details

The Yxy color **55.7330, 0.2686, 0.2620** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.2117, 0.3532, 0.3882**, and the grayscale version is **56.2762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2045, 0.3061, 0.3231**, and **27.6018, 0.2571, 0.2469** is the 20% darker color. If you saturate the color by 10%, you get **43.4854, 0.2486, 0.2309**, and if you desaturate by 10%, it is **70.1075, 0.2871, 0.2904**.

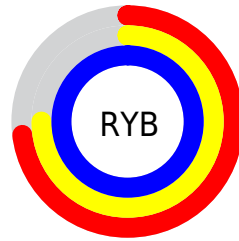
Distribution



Red (73%)

Green (76%)

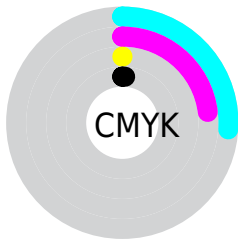
Blue (99%)



Red (73%)

Yellow (75%)

Blue (99%)

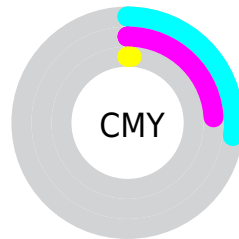


Cyan (26%)

Magenta (23%)

Yellow (0%)

Black (1%)



Cyan (27%)

Magenta (24%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7330, 0.2686, 0.2620 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 55.7330, 0.2686, 0.2620 by changing the saturation by 10% instead.

■ 55.7330, 0.2686,
0.2620

■ 55.7330, 0.2686,
0.2620

■ 408.6845, 0.2899,
0.2933

■ 39.9889, 0.2636,
0.2549

■ 98.6141, 0.2761,
0.2729

■ 27.5299, 0.2573,
0.2461

■ 126.5199, 0.2790,
0.2771

■ 17.9716, 0.2492,
0.2350

■ 159.2483, 0.2815,
0.2807

■ 10.9296, 0.2385,
0.2206

■ 197.1838, 0.2836,
0.2839

■ 6.0195, 0.2238,
0.2013

■ 240.7108, 0.2855,
0.2866

■ 2.8569, 0.2024,
0.1744

■ 290.2137, 0.2871,

■ 1.0575, 0.1693,

0.2891

0.1354

346.0768, 0.2886,
0.2913

0.0000, 0.0758,
0.0000

0.0000, 0.0000,
0.0000

55.7330, 0.2686,
0.2620

55.7330, 0.2686,
0.2620

43.4854, 0.2486,
0.2309

70.1075, 0.2871,
0.2904

33.2572, 0.2279,
0.1979

86.6963, 0.3039,
0.3158

24.9416, 0.2073,
0.1645

99.8091, 0.3144,
0.3318

18.4190, 0.1882,
0.1327

■ 13.5565, 0.1721,
0.1048

■ 10.2025, 0.1602,
0.0830

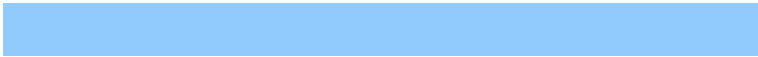
■ 8.1768, 0.1531,
0.0686

■ 7.6508, 0.1513,
0.0647

Harmonies

Analogous

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



55.7330, 0.2437, 0.2675



55.7330, 0.2686, 0.2620



55.7330, 0.3065, 0.2722

Triad

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



55.7330, 0.2686, 0.2620



55.7330, 0.3957, 0.3599



55.7330, 0.2753, 0.3663

Complementary

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



55.7330, 0.2686, 0.2620



90.2117, 0.3532, 0.3882

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.



55.7330, 0.3144, 0.3961



55.7330, 0.2686, 0.2620



55.7330, 0.3851, 0.3886

Square

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



55.7330, 0.2686, 0.2620



55.7330, 0.3823, 0.3263



55.7330, 0.3548, 0.4035



55.7330, 0.2472, 0.3257

Rectangle

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



55.7330, 0.2686, 0.2620



55.7330, 0.3350, 0.2863



55.7330, 0.3548, 0.4035



55.7330, 0.2875, 0.3782

Sweetspot

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



55.7352, 0.2686, 0.2620



85.0818, 0.3003, 0.3104



86.8190, 0.2781, 0.3359



17.6468, 0.2979, 0.3067



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.



55.7352, 0.2686, 0.2620



50.4081, 0.2583, 0.2460



56.7219, 0.2864, 0.2587



16.9001, 0.2979, 0.3067



4.0742, 0.1517, 0.0660



0.4615, 0.1552, 0.0788

Inverse Universe

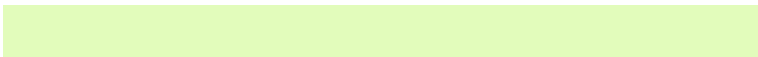
The Inverse Universe completely reimagines the original color for something new.



60.0931, 0.3629, 0.3229



55.7197, 0.3770, 0.3215



89.3879, 0.3342, 0.3975



17.2512, 0.3280, 0.3268



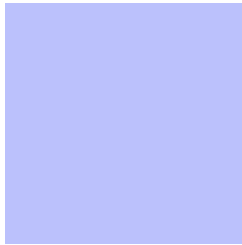
10.8222, 0.6299, 0.3243



1.0108, 0.6088, 0.3128

Previews

White Background



This preview shows how the Yxy color 55.7330, 0.2686, 0.2620 looks on a white background.

Color Contrast Check

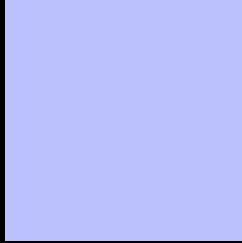
Large Text (above 18pt) WCAG AA × Fail

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 55.7330, 0.2686, 0.2620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

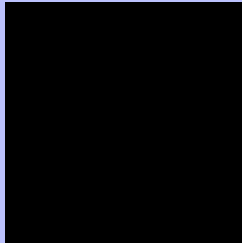
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7330, 0.2686, 0.2620

Background



This preview shows how black text looks on a background with the Yxy color 55.7330, 0.2686, 0.2620.

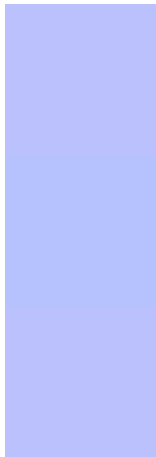


This preview shows how white text looks on a background with the Yxy color 55.7330, 0.2686, 0.2620.

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

55.7330, 0.2686, 0.2620

Protanopia

55.4992, 0.2642, 0.2615

Deuteranopia

55.7330, 0.2686, 0.2620



Tritanopia

55.9697, 0.2868, 0.3094

Trichromacy



Original Color

55.7330, 0.2686, 0.2620

Protanomaly

55.7427, 0.2655, 0.2617

Deuteranomaly

55.7330, 0.2686, 0.2620

Tritanomaly

55.6569, 0.2803, 0.2909

Monochromacy



Original Color

55.7330, 0.2686, 0.2620

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.0111, 0.2955, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7330, 0.2686, 0.2620 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, 193, 252)` looks like.

```
.text, #text, p{  
    color:rgb(187, 193, 252)  
}
```

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, 193, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 193, 252) }
```

Border

The CSS property to change the border of an element to Yxy 55.7330, 0.2686, 0.2620 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, 193, 252) }
```

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

```
.border{ border-color:rgb(187, 193, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 193, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 193, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 193, 252);  
box-shadow:4px 4px 4px 4px rgb(187, 193,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7330, 0.2686, 0.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 193, 252) }
```

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

```
.background{ background-color: rgb(187,  
193, 252) }
```

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