

Converting Colors

$Y_{xy}(55.9094, 0.2805, 0.2571)$

Have a look what the booklet for
Yxy(55.9094, 0.2805, 0.2571)
contains.

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Color

Yxy(55.7543, 0.2807, 0.2567)

Conversions

Conversions Part 1

Format	Color
Hex	CEBBFD
RGB	206, 187, 253
RGB Percent	81%, 73%, 99%
CMY	0.1919, 0.2667, 0.0078
CMYK	0.19, 0.26, 0.00, 0.01
HSL	257°, 94%, 86%
HSV	257°, 26%, 99%
XYZ	60.9670, 55.7543, 100.4750
YIQ	200.2050, -9.8620, 24.5540

Conversions

Conversions Part 2

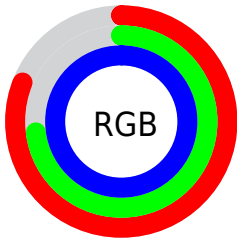
Format	Color
R _Y B	206, 187, 253
Decimal	13548541
CIE Lab	79.47, 19.69, -30.10
CIE LCh	79, 35.968, 303.181
Yxy	55.7543, 0.2807, 0.2567
Android (android.graphics.Color)	4291738621 (0xFFCEBBFD)
YUV	200.2050, 26.0279, 5.0822
Hunter-Lab	74.6688, 15.0747, -27.5130

Details

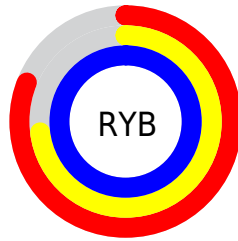
The Yxy color $55.7543, 0.2807, 0.2567$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $91.3144, 0.3394, 0.3973$, and the grayscale version is $57.7387, 0.3127, 0.3290$.

A 20% lighter version of the original color is $92.5812, 0.3133, 0.3175$, and $27.6150, 0.2723, 0.2406$ is the 20% darker color. If you saturate the color by 10%, you get $43.5227, 0.2654, 0.2249$, and if you desaturate by 10%, it is $70.1758, 0.2943, 0.2865$.

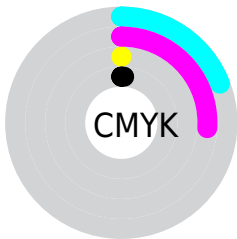
Distribution



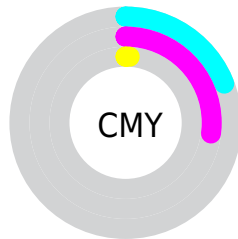
- Red (81%)
- Green (73%)
- Blue (99%)



- Red (81%)
- Yellow (73%)
- Blue (99%)



- Cyan (19%)
- Magenta (26%)
- Yellow (0%)
- Black (1%)




- Cyan (19%)
- Magenta (27%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7543, 0.2807, 0.2567 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 55.7543, 0.2807, 0.2567 by changing the saturation by 10% instead.

 55.7543, 0.2807,
0.2567

 55.7543, 0.2807,
0.2567


408.7649, 0.2965,
0.2900

 40.0060, 0.2769,
0.2492

 98.6452, 0.2863,
0.2682

 27.5432, 0.2721,
0.2400


126.5566, 0.2885,
0.2727

 17.9816, 0.2659,
0.2285


159.2912, 0.2903,
0.2765

 10.9368, 0.2575,
0.2137

197.2333, 0.2919,
0.2799

 6.0243, 0.2458,
0.1941

240.7673, 0.2933,
0.2829

 2.8599, 0.2284,
0.1671

290.2776, 0.2945,

 1.0590, 0.2006,

0.2855

0.1287

346.1487, 0.2955,
0.2879

0.0000, 0.1458,
0.0000

0.0000, 0.0000,
0.0000

55.7543, 0.2807,
0.2567

55.7543, 0.2807,
0.2567

43.5227, 0.2654,
0.2249

70.1758, 0.2943,
0.2865

33.3651, 0.2487,
0.1921

86.8819, 0.3063,
0.3137

25.1651, 0.2312,
0.1599

99.8718, 0.3139,
0.3309

18.7916, 0.2136,
0.1299

■ 14.0972, 0.1971,
0.1045

■ 10.9102, 0.1826,
0.0852

■ 9.0194, 0.1710,
0.0729

■ 8.5141, 0.1673,
0.0695

Harmonies

Analogous

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



55.7543, 0.2452, 0.2543



55.7543, 0.2807, 0.2567



55.7543, 0.3276, 0.2752

Triad

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



55.7543, 0.2807, 0.2567



55.7543, 0.4050, 0.3794



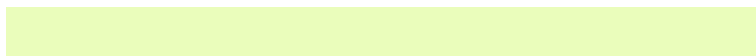
55.7543, 0.2534, 0.3507

Complementary

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



55.7543, 0.2807, 0.2567



91.3144, 0.3394, 0.3973

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.



55.7543, 0.2930, 0.3933



55.7543, 0.2807, 0.2567



55.7543, 0.3812, 0.4070

Square

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



55.7543, 0.2807, 0.2567



55.7543, 0.4026, 0.3427



55.7543, 0.3398, 0.4142



55.7543, 0.2304, 0.3044

Rectangle

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



55.7543, 0.2807, 0.2567



55.7543, 0.3593, 0.2945



55.7543, 0.3398, 0.4142



55.7543, 0.2651, 0.3663

Sweetspot

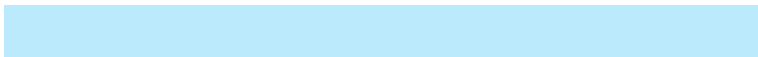
The Sweet Spot groups the original color and five complimentary colors.



55.7566, 0.2807, 0.2567



85.0204, 0.3041, 0.3087



76.6676, 0.2725, 0.3085



17.6321, 0.3024, 0.3047



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.



55.7566, 0.2807, 0.2567



50.3666, 0.2734, 0.2413



60.9226, 0.3049, 0.2616



17.6321, 0.3024, 0.3047



4.5932, 0.1687, 0.0703



0.5001, 0.1802, 0.0767

Inverse Universe

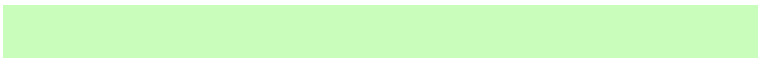
The Inverse Universe completely reimagines the original color for something new.



62.3509, 0.3302, 0.2816



58.1255, 0.3343, 0.2724



86.2941, 0.3180, 0.4021



18.2056, 0.3183, 0.3123



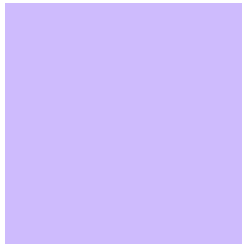
12.8851, 0.4108, 0.2037



1.2735, 0.3981, 0.1966

Previews

White Background



This preview shows how the Yxy color 55.7543, 0.2807, 0.2567 looks on a white background.

Color Contrast Check

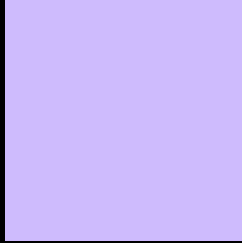
Large Text (above 18pt) WCAG AA × Fail

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 55.7543, 0.2807, 0.2567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

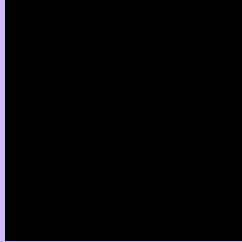
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7543, 0.2807, 0.2567

Background



This preview shows how black text looks on a background with the Yxy color 55.7543, 0.2807, 0.2567.

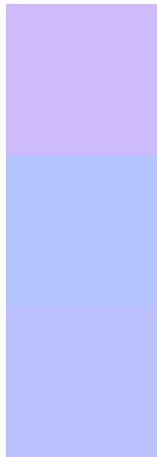


This preview shows how white text looks on a background with the Yxy color 55.7543, 0.2807, 0.2567.

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

55.7543, 0.2807, 0.2567

Protanopia

56.0740, 0.2632, 0.2606

Deuteranopia

55.7330, 0.2686, 0.2620



Tritanopia

55.8255, 0.3049, 0.3112

Trichromacy



Original Color

55.7543, 0.2807, 0.2567

Protanomaly

55.8022, 0.2693, 0.2592

Deuteranomaly

55.7592, 0.2731, 0.2606

Tritanomaly

55.7468, 0.2959, 0.2898

Monochromacy



Original Color

55.7543, 0.2807, 0.2567

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

56.7012, 0.3008, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7543, 0.2807, 0.2567 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(206, 187, 253)` looks like.

```
.text, #text, p{  
    color:rgb(206, 187, 253)  
}
```

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(206, 187, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 187, 253) }
```

Border

The CSS property to change the border of an element to Yxy 55.7543, 0.2807, 0.2567 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(206, 187, 253) }
```

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

```
.border{ border-color:rgb(206, 187, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 187, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 187, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 187, 253);  
box-shadow:4px 4px 4px 4px rgb(206, 187,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7543, 0.2807, 0.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 187, 253) }
```

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

```
.background{ background-color: rgb(206,  
187, 253) }
```

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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