

Converting Colors

$Y_{xy}(55.7206, 0.2793, 0.2544)$

Have a look what the booklet for
Yxy(55.7206, 0.2793, 0.2544)
contains.

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Color

Yxy(55.8825, 0.2794, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	CEBBFF
RGB	206, 187, 255
RGB Percent	81%, 73%, 100%
CMY	0.1921, 0.2667, 0.0000
CMYK	0.19, 0.27, 0.00, 0.00
HSL	257°, 100%, 87%
HSV	257°, 27%, 100%
XYZ	61.2777, 55.8825, 102.1588
YIQ	200.4330, -10.5040, 25.1760

Conversions

Conversions Part 2

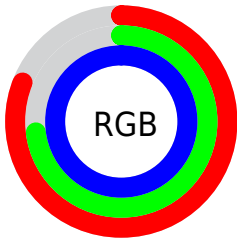
Format	Color
R _Y B	206, 187, 255
Decimal	13548543
CIE Lab	79.55, 20.10, -31.06
CIE LCh	80, 36.996, 302.911
Yxy	55.8825, 0.2794, 0.2548
Android (android.graphics.Color)	4291738623 (0xFFCEBBFF)
YUV	200.4330, 26.9015, 4.8823
Hunter-Lab	74.7546, 15.4993, -28.6969

Details

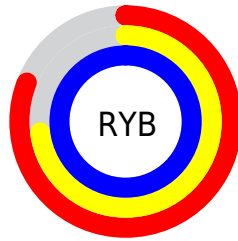
The Yxy color **55.8825, 0.2794, 0.2548** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.9314, 0.3404, 0.3988**, and the grayscale version is **57.8784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5812, 0.3133, 0.3175**, and **27.7067, 0.2707, 0.2382** is the 20% darker color. If you saturate the color by 10%, you get **43.5323, 0.2638, 0.2228**, and if you desaturate by 10%, it is **70.4651, 0.2933, 0.2848**.

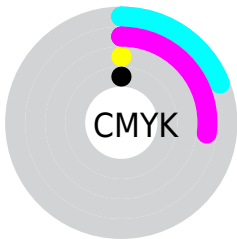
Distribution



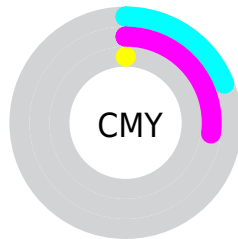
- Red (81%)
- Green (73%)
- Blue (100%)



- Red (81%)
- Yellow (73%)
- Blue (100%)



- Cyan (19%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8825, 0.2794, 0.2548 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 55.8825, 0.2794, 0.2548 by changing the saturation by 10% instead.

■ 55.8825, 0.2794,
0.2548

■ 55.8825, 0.2794,
0.2548

409.2485, 0.2958,
0.2889

■ 40.1087, 0.2755,
0.2471

■ 98.8328, 0.2853,
0.2665

■ 27.6233, 0.2705,
0.2378

126.7780, 0.2875,
0.2711

■ 18.0419, 0.2640,
0.2260

159.5493, 0.2894,
0.2751

■ 10.9801, 0.2554,
0.2110

197.5308, 0.2910,
0.2786

■ 6.0534, 0.2434,
0.1911

241.1072, 0.2925,
0.2816

■ 2.8776, 0.2255,
0.1639

290.6626, 0.2937,

■ 1.0682, 0.1972,

0.2843

0.1255

346.5816, 0.2948,
0.2867

0.0000, 0.1438,
0.0000

0.0000, 0.0000,
0.0000

55.8825, 0.2794,
0.2548

55.8825, 0.2794,
0.2548

43.5323, 0.2638,
0.2228

70.4651, 0.2933,
0.2848

33.2956, 0.2469,
0.1899

87.3776, 0.3055,
0.3122

25.0525, 0.2291,
0.1576

99.9996, 0.3127,
0.3290

18.6682, 0.2114,
0.1277

■ 13.9905, 0.1949,
0.1025

■ 10.8420, 0.1806,
0.0836

■ 9.0019, 0.1693,
0.0717

■ 8.5727, 0.1662,
0.0689

Harmonies

Analogous

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



55.8825, 0.2432, 0.2524



55.8825, 0.2794, 0.2548



55.8825, 0.3275, 0.2736

Triad

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



55.8825, 0.2794, 0.2548



55.8825, 0.4077, 0.3803



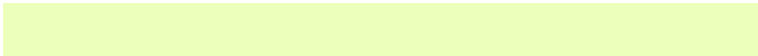
55.8825, 0.2521, 0.3517

Complementary

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



55.8825, 0.2794, 0.2548



92.9314, 0.3404, 0.3988

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.



55.8825, 0.2928, 0.3956



55.8825, 0.2794, 0.2548



55.8825, 0.3833, 0.4089

Square

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



55.8825, 0.2794, 0.2548



55.8825, 0.4050, 0.3426



55.8825, 0.3409, 0.4167



55.8825, 0.2284, 0.3040

Rectangle

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



55.8825, 0.2794, 0.2548



55.8825, 0.3601, 0.2933



55.8825, 0.3409, 0.4167



55.8825, 0.2642, 0.3678

Sweetspot

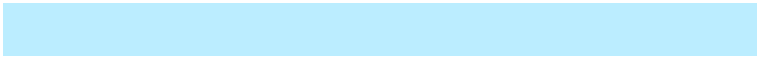
The Sweet Spot groups the original color and five complimentary colors.



55.8848, 0.2794, 0.2548



84.9872, 0.3040, 0.3087



78.2726, 0.2717, 0.3092



17.6237, 0.3022, 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.



55.8848, 0.2794, 0.2548



49.0280, 0.2713, 0.2379



61.1324, 0.3038, 0.2599



17.6237, 0.3022, 0.3047



4.5436, 0.1676, 0.0697



0.4944, 0.1790, 0.0760

Inverse Universe

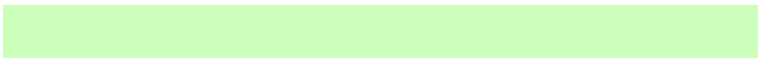
The Inverse Universe completely reimagines the original color for something new.



62.8528, 0.3302, 0.2799



57.1364, 0.3346, 0.2698



87.7816, 0.3189, 0.4038



18.2086, 0.3181, 0.3120



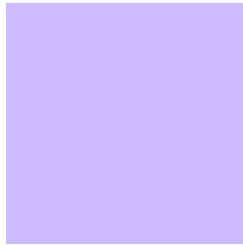
12.9360, 0.4073, 0.2018



1.2782, 0.3951, 0.1950

Previews

White Background



This preview shows how the Yxy color 55.8825, 0.2794, 0.2548 looks on a white background.

Color Contrast Check

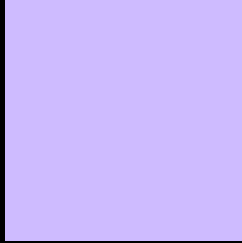
Large Text (above 18pt) WCAG AA × Fail

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 55.8825, 0.2794, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

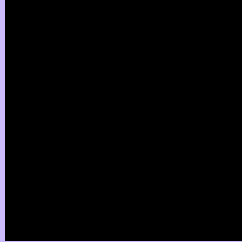
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8825, 0.2794, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 55.8825, 0.2794, 0.2548.

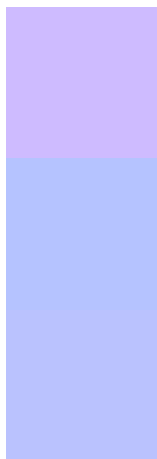


This preview shows how white text looks on a background with the Yxy color 55.8825, 0.2794, 0.2548.

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

55.8825, 0.2794, 0.2548

Protanopia

56.0740, 0.2632, 0.2606

Deuteranopia

56.1784, 0.2669, 0.2611



Tritanopia

55.7391, 0.3034, 0.3100

Trichromacy



Original Color

55.8825, 0.2794, 0.2548

Protanomaly

55.8664, 0.2687, 0.2582

Deuteranomaly

55.7548, 0.2713, 0.2585

Tritanomaly

55.6628, 0.2945, 0.2886

Monochromacy



Original Color

55.8825, 0.2794, 0.2548

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

56.7541, 0.3001, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8825, 0.2794, 0.2548 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 187, 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(206, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.8825, 0.2794, 0.2548 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, 255) }
```

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

```
.border{ border-color:rgb(206, 187, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8825, 0.2794, 0.2548 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, 255) }
```

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

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