

Converting Colors

$Yxy(56.6306, 0.2796, 0.2567)$

Have a look what the booklet for
Yxy(56.6306, 0.2796, 0.2567)
contains.

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Color

Yxy(56.7370, 0.2795, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	CEBDFF
RGB	206, 189, 255
RGB Percent	81%, 74%, 100%
CMY	0.1921, 0.2588, 0.0000
CMYK	0.19, 0.26, 0.00, 0.00
HSL	255°, 100%, 87%
HSV	255°, 26%, 100%
XYZ	61.7042, 56.7370, 102.3253
YIQ	201.6070, -11.0540, 24.1300

Conversions

Conversions Part 2

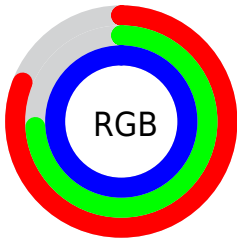
Format	Color
R _Y B	206, 189, 255
Decimal	13549055
CIE Lab	80.03, 19.01, -30.33
CIE LCh	80, 35.796, 302.082
Yxy	56.7370, 0.2795, 0.2570
Android (android.graphics.Color)	4291739135 (0xFFCEBDFF)
YUV	201.6070, 26.3227, 3.8527
Hunter-Lab	75.3240, 14.4075, -27.8169

Details

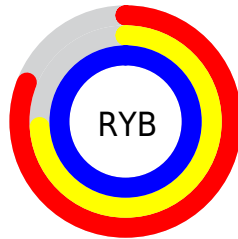
The Yxy color **56.7370, 0.2795, 0.2570** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.3707, 0.3405, 0.3965**, and the grayscale version is **58.6438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7848, 0.3132, 0.3194**, and **28.2648, 0.2709, 0.2411** is the 20% darker color. If you saturate the color by 10%, you get **44.1666, 0.2636, 0.2250**, and if you desaturate by 10%, it is **71.5640, 0.2937, 0.2870**.

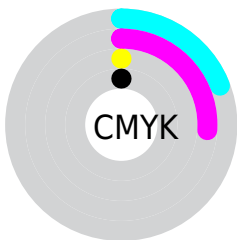
Distribution



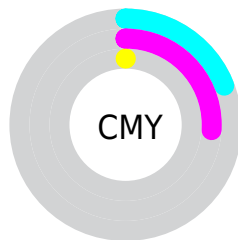
- Red (81%)
- Green (74%)
- Blue (100%)



- Red (81%)
- Yellow (74%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7370, 0.2795, 0.2570 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 56.7370, 0.2795, 0.2570 by changing the saturation by 10% instead.


 56.7370, 0.2795,
0.2570

 56.7370, 0.2795,
0.2570

412.4631, 0.2958,
0.2901

 40.7941, 0.2756,
0.2496


 100.0813, 0.2853,
0.2684

 28.1583, 0.2707,
0.2405


128.2516, 0.2875,
0.2728

 18.4450, 0.2643,
0.2291


161.2664, 0.2894,
0.2767

 11.2699, 0.2559,
0.2144

199.5102, 0.2910,
0.2800

 6.2487, 0.2440,
0.1951

243.3674, 0.2924,
0.2830

 2.9969, 0.2265,
0.1686

293.2223, 0.2937,

 1.1301, 0.1989,

0.2856

0.1308

349.4594, 0.2948,
0.2880

0.0035, 0.1497,
0.0011

0.0000, 0.0000,
0.0000

56.7370, 0.2795,
0.2570

56.7370, 0.2795,
0.2570

44.1666, 0.2636,
0.2250

71.5640, 0.2937,
0.2870

33.7377, 0.2463,
0.1918

88.7495, 0.3062,
0.3143

25.3287, 0.2282,
0.1591

100.0000, 0.3127,
0.3290

18.8046, 0.2101,
0.1287

■ 14.0135, 0.1933,
0.1028

■ 10.7788, 0.1788,
0.0833

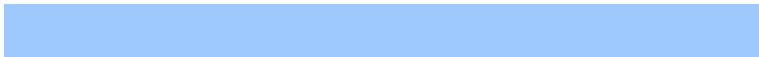
■ 8.8837, 0.1675,
0.0710

■ 8.3677, 0.1638,
0.0676

Harmonies

Analogous

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



56.7370, 0.2449, 0.2553



56.7370, 0.2795, 0.2570



56.7370, 0.3257, 0.2748

Triad

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



56.7370, 0.2795, 0.2570



56.7370, 0.4045, 0.3778



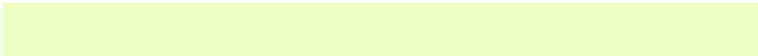
56.7370, 0.2552, 0.3522

Complementary

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



56.7370, 0.2795, 0.2570



93.3707, 0.3405, 0.3965

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.



56.7370, 0.2949, 0.3938



56.7370, 0.2795, 0.2570



56.7370, 0.3818, 0.4055

Square

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



56.7370, 0.2795, 0.2570



56.7370, 0.4010, 0.3413



56.7370, 0.3413, 0.4134



56.7370, 0.2317, 0.3063

Rectangle

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



56.7370, 0.2795, 0.2570



56.7370, 0.3572, 0.2937



56.7370, 0.3413, 0.4134



56.7370, 0.2670, 0.3675

Sweetspot

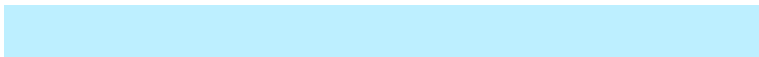
The Sweet Spot groups the original color and five complimentary colors.



56.7378, 0.2795, 0.2570



84.9079, 0.3037, 0.3087



79.4796, 0.2730, 0.3111



17.6039, 0.3019, 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.



56.7378, 0.2795, 0.2570



50.0292, 0.2716, 0.2408



61.8793, 0.3033, 0.2618



17.6039, 0.3019, 0.3047



4.4323, 0.1651, 0.0683



0.4813, 0.1762, 0.0744

Inverse Universe

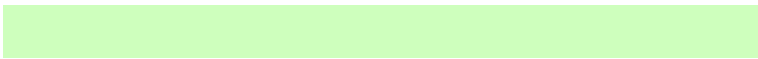
The Inverse Universe completely reimagines the original color for something new.



63.8283, 0.3284, 0.2800



58.2681, 0.3323, 0.2701



88.2446, 0.3194, 0.4011



18.2157, 0.3178, 0.3115



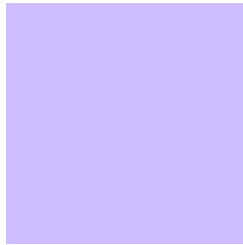
13.0612, 0.3992, 0.1973



1.2895, 0.3883, 0.1913

Previews

White Background



This preview shows how the Yxy color 56.7370, 0.2795, 0.2570 looks on a white background.

Color Contrast Check

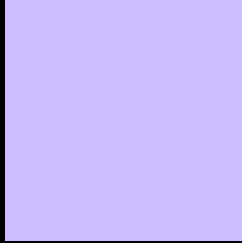
Large Text (above 18pt) WCAG AA × Fail

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 56.7370, 0.2795, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

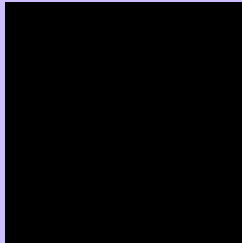
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7370, 0.2795, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 56.7370, 0.2795, 0.2570.

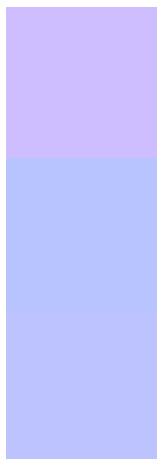


This preview shows how white text looks on a background with the Yxy color 56.7370, 0.2795, 0.2570.

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

56.7370, 0.2795, 0.2570

Protanopia

56.7671, 0.2646, 0.2620

Deuteranopia

57.0048, 0.2690, 0.2626



Tritanopia

56.6917, 0.3027, 0.3112

Trichromacy



Original Color

56.7370, 0.2795, 0.2570

Protanomaly

56.4363, 0.2695, 0.2595

Deuteranomaly

56.8978, 0.2728, 0.2610

Tritanomaly

56.6025, 0.2938, 0.2898

Monochromacy



Original Color

56.7370, 0.2795, 0.2570

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

57.8495, 0.3002, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7370, 0.2795, 0.2570 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, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 189, 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, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.7370, 0.2795, 0.2570 is called "border". The border property can be set on classes, ids or directly on the HTML element.

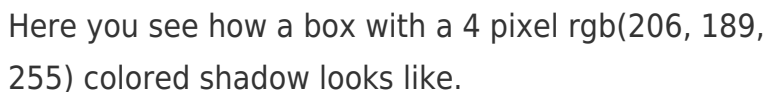
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 189, 255) }
```

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

```
.border{ border-color:rgb(206, 189, 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, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 189, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 189, 255); box-shadow:4px 4px 4px 4px rgb(206, 189, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7370, 0.2795, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 189, 255) }
```

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

```
.background{ background-color: rgb(206,  
189, 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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