

Converting Colors

$Y_{xy}(53.3305, 0.2787, 0.2481)$

Have a look what the booklet for
Yxy(53.3305, 0.2787, 0.2481)
contains.

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Color

Yxy(53.3896, 0.2790, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	CEB5FF
RGB	206, 181, 255
RGB Percent	81%, 71%, 100%
CMY	0.1920, 0.2903, 0.0000
CMYK	0.19, 0.29, 0.00, 0.00
HSL	260°, 100%, 85%
HSV	260°, 29%, 100%
XYZ	60.0391, 53.3896, 101.7652
YIQ	196.9110, -8.8540, 28.3140

Conversions

Conversions Part 2

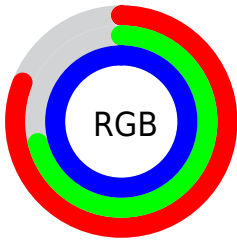
Format	Color
R _Y B	206, 181, 255
Decimal	13547007
CIE Lab	78.10, 23.39, -33.29
CIE LCh	78, 40.688, 305.087
Yxy	53.3896, 0.2790, 0.2481
Android (android.graphics.Color)	4291737087 (0xFFCEB5FF)
YUV	196.9110, 28.6379, 7.9711
Hunter-Lab	73.0682, 18.8016, -31.4280

Details

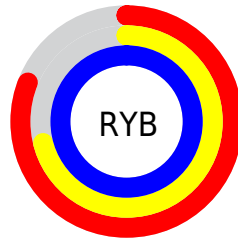
The Yxy color **53.3896, 0.2790, 0.2481** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.6685, 0.3398, 0.4061**, and the grayscale version is **55.6092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0484, 0.3135, 0.3117**, and **26.0949, 0.2700, 0.2297** is the 20% darker color. If you saturate the color by 10%, you get **41.6667, 0.2643, 0.2164**, and if you desaturate by 10%, it is **67.2709, 0.2922, 0.2782**.

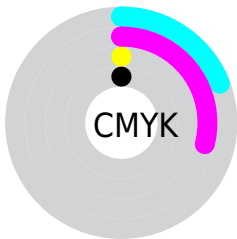
Distribution



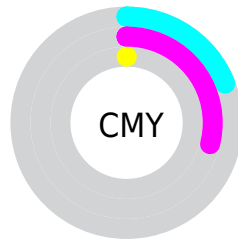
- Red (81%)
- Green (71%)
- Blue (100%)



- Red (81%)
- Yellow (71%)
- Blue (100%)



- Cyan (19%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3896, 0.2790, 0.2481 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 53.3896, 0.2790, 0.2481 by changing the saturation by 10% instead.


 53.3896, 0.2790,
0.2481

 53.3896, 0.2790,
0.2481


399.7781, 0.2958,
0.2853

 38.1139, 0.2749,
0.2398

 95.1774, 0.2850,
0.2609

 26.0711, 0.2697,
0.2296


122.4583, 0.2873,
0.2659

 16.8768, 0.2630,
0.2168


154.5097, 0.2893,
0.2702

 10.1467, 0.2539,
0.2005

191.7160, 0.2910,
0.2740

 5.4963, 0.2411,
0.1791

234.4616, 0.2924,
0.2773

 2.5413, 0.2221,
0.1501

283.1309, 0.2937,

 0.8973, 0.1918,

0.2803

0.1098

338.1082, 0.2948,
0.2829

0.0000, 0.1249,
0.0000

0.0000, 0.0000,
0.0000

53.3896, 0.2790,
0.2481

53.3896, 0.2790,
0.2481

41.6667, 0.2643,
0.2164

67.2709, 0.2922,
0.2782

31.9878, 0.2483,
0.1843

83.4117, 0.3037,
0.3061

24.2318, 0.2316,
0.1531

100.0000, 0.3127,
0.3290

18.2631, 0.2150,
0.1250

■ 13.9277, 0.1993,
0.1016

■ 11.0441, 0.1856,
0.0844

■ 9.3480, 0.1744,
0.0738

■ 9.2147, 0.1735,
0.0729

Harmonies

Analogous

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



53.3896, 0.2380, 0.2438



53.3896, 0.2790, 0.2481



53.3896, 0.3330, 0.2698

Triad

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



53.3896, 0.2790, 0.2481



53.3896, 0.4174, 0.3879



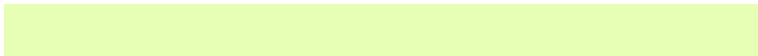
53.3896, 0.2427, 0.3501

Complementary

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



53.3896, 0.2790, 0.2481



91.6685, 0.3398, 0.4061

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.



53.3896, 0.2864, 0.4011



53.3896, 0.2790, 0.2481



53.3896, 0.3880, 0.4193

Square

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



53.3896, 0.2790, 0.2481



53.3896, 0.4172, 0.3464



53.3896, 0.3396, 0.4270



53.3896, 0.2184, 0.2971

Rectangle

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



53.3896, 0.2790, 0.2481



53.3896, 0.3693, 0.2919



53.3896, 0.3396, 0.4270



53.3896, 0.2554, 0.3686

Sweetspot

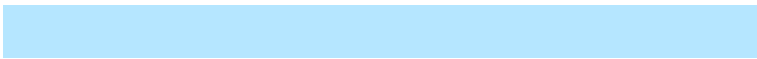
The Sweet Spot groups the original color and five complimentary colors.



53.3904, 0.2790, 0.2481



83.4553, 0.3037, 0.3061



73.8187, 0.2676, 0.3017



17.3291, 0.3021, 0.3022



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.



53.3904, 0.2790, 0.2481



46.1333, 0.2704, 0.2293



59.2570, 0.3066, 0.2544



17.6766, 0.3032, 0.3048



4.8881, 0.1750, 0.0738



0.5332, 0.1872, 0.0805

Inverse Universe

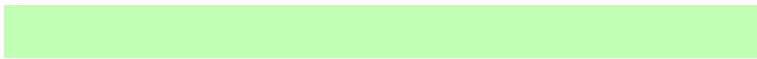
The Inverse Universe completely reimagines the original color for something new.



60.0117, 0.3356, 0.2796



53.8659, 0.3417, 0.2692



86.2354, 0.3162, 0.4121



18.1897, 0.3190, 0.3134



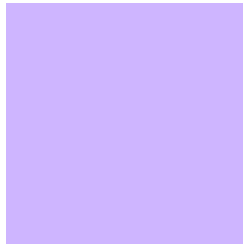
12.6279, 0.4297, 0.2141



1.2500, 0.4141, 0.2055

Previews

White Background



This preview shows how the Yxy color 53.3896, 0.2790, 0.2481 looks on a white background.

Color Contrast Check

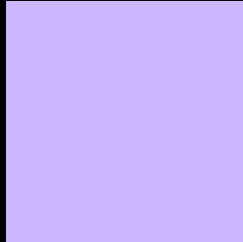
Large Text (above 18pt) WCAG AA × Fail

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 53.3896, 0.2790, 0.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

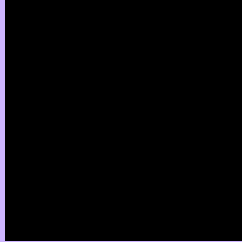
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.3896, 0.2790, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 53.3896, 0.2790, 0.2481.

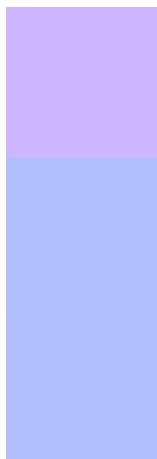


This preview shows how white text looks on a background with the Yxy color 53.3896, 0.2790, 0.2481.

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

53.3896, 0.2790, 0.2481

Protanopia

53.5956, 0.2588, 0.2552

Deuteranopia

53.5025, 0.2624, 0.2565



Tritanopia

53.1050, 0.3071, 0.3109

Trichromacy



Original Color

53.3896, 0.2790, 0.2481

Protanomaly

53.1998, 0.2655, 0.2519

Deuteranomaly

53.5152, 0.2681, 0.2533

Tritanomaly

53.1477, 0.2964, 0.2869

Monochromacy



Original Color

53.3896, 0.2790, 0.2481

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

54.6029, 0.3000, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3896, 0.2790, 0.2481 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, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 181, 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, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.3896, 0.2790, 0.2481 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, 181, 255) }
```

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

```
.border{ border-color:rgb(206, 181, 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, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3896, 0.2790, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 181, 255) }
```

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

```
.background{ background-color: rgb(206,  
181, 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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