

Converting Colors

$Yxy(63.3748, 0.2798, 0.2737)$

Have a look what the booklet for
Yxy(63.3748, 0.2798, 0.2737)
contains.

Yxy(63.3849, 0.2798, 0.2736)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.3849, 0.2798, 0.2736)

Conversions

Conversions Part 1

Format	Color
Hex	CDCCFF
RGB	205, 204, 255
RGB Percent	80%, 80%, 100%
CMY	0.1961, 0.2000, 0.0000
CMYK	0.20, 0.20, 0.00, 0.00
HSL	241°, 100%, 90%
HSV	241°, 20%, 100%
XYZ	64.8213, 63.3849, 103.4638
YIQ	210.1130, -15.7750, 16.0730

Conversions

Conversions Part 2

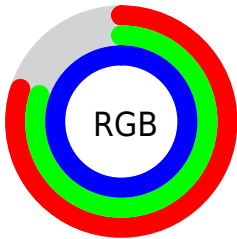
Format	Color
R _Y B	205, 204, 255
Decimal	13487359
CIE Lab	83.64, 10.61, -24.82
CIE LCh	84, 26.997, 293.141
Yxy	63.3849, 0.2798, 0.2736
Android (android.graphics.Color)	4291677439 (0xFFCDCCFF)
YUV	210.1130, 22.1293, -4.4841
Hunter-Lab	79.6146, 6.0069, -21.3205

Details

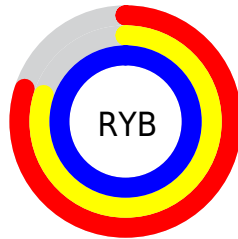
The Yxy color $63.3849, 0.2798, 0.2736$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.9550, 0.3423, 0.3791$, and the grayscale version is $64.3840, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.3739, 0.2717, 0.2612$ is the 20% darker color. If you saturate the color by 10%, you get $48.9618, 0.2604, 0.2410$, and if you desaturate by 10%, it is $80.3602, 0.2973, 0.3031$.

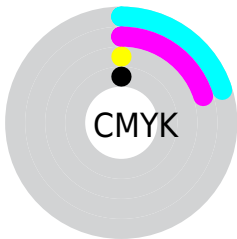
Distribution



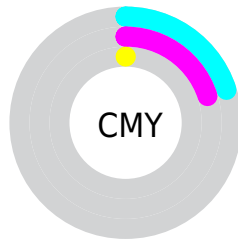
- Red (80%)
- Green (80%)
- Blue (100%)



- Red (80%)
- Yellow (80%)
- Blue (100%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3849, 0.2798, 0.2736 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 63.3849, 0.2798, 0.2736 by changing the saturation by 10% instead.

63.3849, 0.2798,
0.2736

63.3849, 0.2798,
0.2736

436.9650, 0.2954,
0.2990

46.1527, 0.2762,
0.2679

109.7246, 0.2853,
0.2824

32.3663, 0.2716,
0.2608

139.6009, 0.2874,
0.2858

21.6414, 0.2658,
0.2520

174.4606, 0.2892,
0.2888

13.5937, 0.2582,
0.2406

214.6882, 0.2908,
0.2913

7.8386, 0.2477,
0.2254

260.6680, 0.2922,
0.2936

3.9919, 0.2325,
0.2042

312.7845, 0.2934,

1.6690, 0.2090,

0.2956

0.1731

371.4221, 0.2945,
0.2974

0.4035, 0.1692,
0.1062

0.0000, 0.0000,
0.0000

63.3849, 0.2798,
0.2736

63.3849, 0.2798,
0.2736

48.9618, 0.2604,
0.2410

80.3602, 0.2973,
0.3031

36.9685, 0.2394,
0.2061

100.0000, 0.3127,
0.3290

27.2711, 0.2179,
0.1702

19.7231, 0.1970,
0.1358

■ 14.1609, 0.1786,
0.1055

■ 10.3979, 0.1642,
0.0821

■ 8.2116, 0.1548,
0.0671

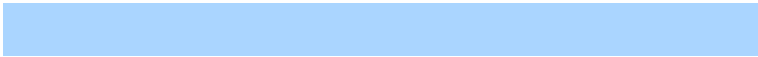
■ 7.2517, 0.1504,
0.0602

■ 7.2515, 0.1504,
0.0602

Harmonies

Analogous

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



63.3849, 0.2573, 0.2769



63.3849, 0.2798, 0.2736



63.3849, 0.3121, 0.2835

Triad

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



63.3849, 0.2798, 0.2736



63.3849, 0.3807, 0.3585



63.3849, 0.2786, 0.3556

Complementary

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



63.3849, 0.2798, 0.2736



96.9550, 0.3423, 0.3791

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.



63.3849, 0.3104, 0.3812



63.3849, 0.2798, 0.2736



63.3849, 0.3701, 0.3807

Square

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



63.3849, 0.2798, 0.2736



63.3849, 0.3720, 0.3307



63.3849, 0.3440, 0.3901



63.3849, 0.2566, 0.3228

Rectangle

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



63.3849, 0.2798, 0.2736



63.3849, 0.3354, 0.2961



63.3849, 0.3440, 0.3901



63.3849, 0.2884, 0.3655

Sweetspot

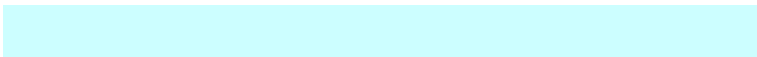
The Sweet Spot groups the original color and five complimentary colors.



63.3845, 0.2798, 0.2736



87.8878, 0.3037, 0.3138



91.0369, 0.2827, 0.3280



18.5421, 0.3027, 0.3121



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.



63.3845, 0.2798, 0.2736



57.3131, 0.2723, 0.2610



67.2893, 0.2973, 0.2764



17.3944, 0.2981, 0.3044



3.7963, 0.1506, 0.0603



0.3752, 0.1519, 0.0611

Inverse Universe

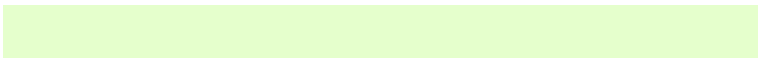
The Inverse Universe completely reimagines the original color for something new.



71.6052, 0.3157, 0.2801



66.8993, 0.3164, 0.2701



92.4807, 0.3257, 0.3819



18.2940, 0.3141, 0.3060



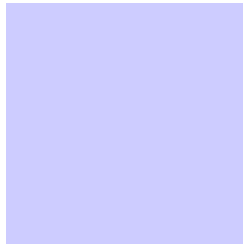
14.7218, 0.3258, 0.1568



1.4353, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 63.3849, 0.2798, 0.2736 looks on a white background.

Color Contrast Check

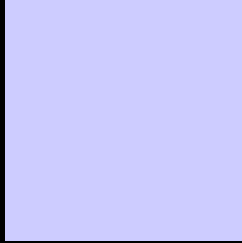
Large Text (above 18pt) WCAG AA × Fail

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 63.3849, 0.2798, 0.2736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

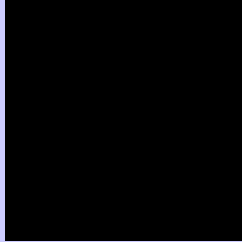
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3849, 0.2798, 0.2736

Background



This preview shows how black text looks on a background with the Yxy color 63.3849, 0.2798, 0.2736.

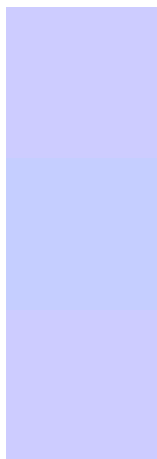


This preview shows how white text looks on a background with the Yxy color 63.3849, 0.2798, 0.2736.

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

63.3849, 0.2798, 0.2736

Protanopia

63.2329, 0.2747, 0.2751

Deuteranopia

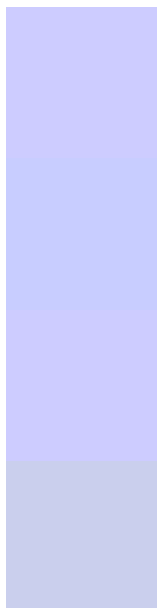
63.3849, 0.2798, 0.2736



Tritanopia

63.3713, 0.2948, 0.3095

Trichromacy



Original Color

63.3849, 0.2798, 0.2736

Protanomaly

63.1620, 0.2766, 0.2743

Deuteranomaly

63.3849, 0.2798, 0.2736

Tritanomaly

63.2966, 0.2891, 0.2953

Monochromacy



Original Color

63.3849, 0.2798, 0.2736

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.0126, 0.3005, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3849, 0.2798, 0.2736 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(205, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 204, 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(205, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.3849, 0.2798, 0.2736 is called "border". The border property can be set on classes, ids or directly on the HTML element.

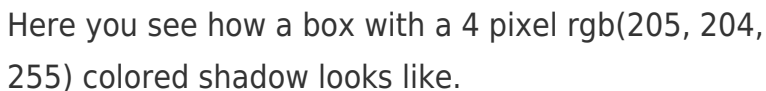
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 204, 255) }
```

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

```
.border{ border-color:rgb(205, 204, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 204, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 204, 255); box-shadow:4px 4px 4px 4px rgb(205, 204, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3849, 0.2798, 0.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 204, 255) }
```

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

```
.background{ background-color: rgb(205,  
204, 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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