

Converting Colors

$Y_{xy}(77.5666, 0.2732, 0.2449)$

Have a look what the booklet for
Yxy(77.5666, 0.2732, 0.2449)
contains.

Yxy(73.8254, 0.3020, 0.2885)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.8254, 0.3020, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	EDD7FF
RGB	237, 215, 255
RGB Percent	93%, 84%, 100%
CMY	0.0705, 0.1569, 0.0000
CMYK	0.07, 0.16, 0.00, 0.00
HSL	273°, 100%, 92%
HSV	273°, 16%, 100%
XYZ	77.2800, 73.8254, 104.7886
YIQ	226.1380, 0.2720, 17.1040

Conversions

Conversions Part 2

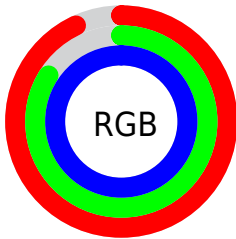
Format	Color
R _{YB}	237, 215, 255
Decimal	15587327
CIE _{Lab}	88.84, 14.78, -16.70
CIE _{LCh}	89, 22.301, 311.500
Y _{xy}	73.8254, 0.3020, 0.2885
Android (android.graphics.Color)	4293777407 (0xFFEDD7FF)
YUV	226.1380, 14.2290, 9.5260
Hunter-Lab	85.9217, 10.1840, -12.1638

Details

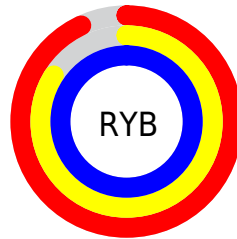
The Yxy color $73.8254, 0.3020, 0.2885$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.7469, 0.3220, 0.3699$, and the grayscale version is $76.0562, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $39.0426, 0.2995, 0.2796$ is the 20% darker color. If you saturate the color by 10%, you get $59.9271, 0.2937, 0.2604$, and if you desaturate by 10%, it is $89.8792, 0.3092, 0.3149$.

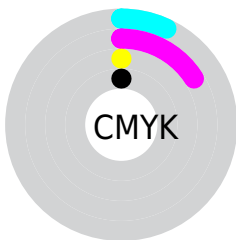
Distribution



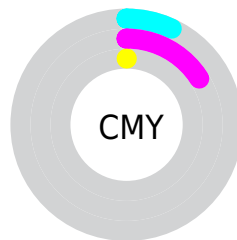
- Red (93%)
- Green (84%)
- Blue (100%)



- Red (93%)
- Yellow (84%)
- Blue (100%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8254, 0.3020, 0.2885 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 73.8254, 0.3020, 0.2885 by changing the saturation by 10% instead.


 73.8254, 0.3020,
0.2885

 73.8254, 0.3020,
0.2885


473.8705, 0.3071,
0.3067

 54.6511, 0.3008,
0.2845


124.6483, 0.3038,
0.2947

 39.1225, 0.2993,
0.2796


157.0657, 0.3045,
0.2971

 26.8550, 0.2974,
0.2735


194.6663, 0.3051,
0.2992

 17.4644, 0.2948,
0.2658

237.8344, 0.3056,
0.3011

 10.5661, 0.2913,
0.2555

286.9545, 0.3061,
0.3027

 5.7759, 0.2861,
0.2413

342.4110, 0.3065,

 2.7093, 0.2779,

0.3042

0.2206

404.5882, 0.3068,
0.3055

0.9819, 0.2631,
0.1878

0.0000, 0.1882,
0.0000

73.8254, 0.3020,
0.2885

73.8254, 0.3020,
0.2885

59.9271, 0.2937,
0.2604

89.8792, 0.3092,
0.3149

48.0804, 0.2841,
0.2312

100.0000, 0.3127,
0.3290

38.1847, 0.2735,
0.2019

30.1276, 0.2619,
0.1735

■ 23.7848, 0.2498,
0.1476

■ 19.0159, 0.2376,
0.1256

■ 15.6573, 0.2259,
0.1086

■ 13.5071, 0.2150,
0.0971

■ 12.8270, 0.2107,
0.0934

Harmonies

Analogous

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



73.8254, 0.2787, 0.2847



73.8254, 0.3020, 0.2885



73.8254, 0.3292, 0.3019

Triad

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



73.8254, 0.3020, 0.2885



73.8254, 0.3627, 0.3642



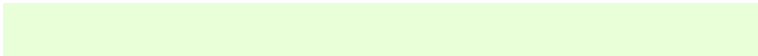
73.8254, 0.2739, 0.3344

Complementary

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



73.8254, 0.3020, 0.2885



93.7469, 0.3220, 0.3699

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.



73.8254, 0.2951, 0.3585



73.8254, 0.3020, 0.2885



73.8254, 0.3466, 0.3756

Square

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



73.8254, 0.3020, 0.2885



73.8254, 0.3651, 0.3445



73.8254, 0.3217, 0.3739



73.8254, 0.2631, 0.3099

Rectangle

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



73.8254, 0.3020, 0.2885



73.8254, 0.3457, 0.3148



73.8254, 0.3217, 0.3739



73.8254, 0.2800, 0.3429

Sweetspot

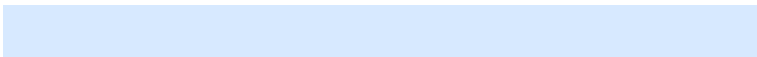
The Sweet Spot groups the original color and five complimentary colors.



73.8281, 0.3020, 0.2885



91.0622, 0.3096, 0.3166



79.9446, 0.2879, 0.3060



19.2319, 0.3091, 0.3149



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.



73.8281, 0.3020, 0.2885



68.9884, 0.2994, 0.2794



76.9524, 0.3159, 0.2919



17.8706, 0.3066, 0.3051



6.7924, 0.2123, 0.0943



0.7262, 0.2240, 0.1007

Inverse Universe

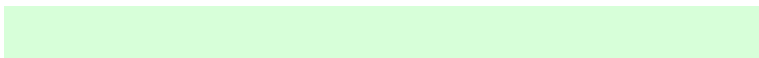
The Inverse Universe completely reimagines the original color for something new.



75.7428, 0.3296, 0.3111



71.2877, 0.3339, 0.3071



90.9767, 0.3096, 0.3691



18.1228, 0.3223, 0.3184



11.7803, 0.5178, 0.2626



1.1687, 0.4898, 0.2472

Previews

White Background



This preview shows how the Yxy color 73.8254, 0.3020, 0.2885 looks on a white background.

Color Contrast Check

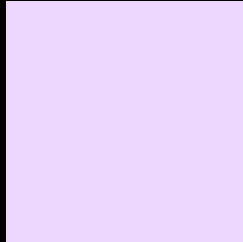
Large Text (above 18pt) WCAG AA × Fail

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 73.8254, 0.3020, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

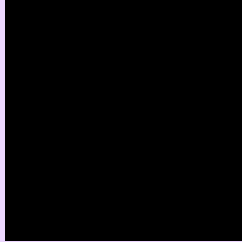
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

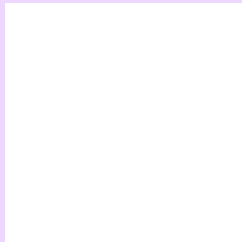
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.8254, 0.3020, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 73.8254, 0.3020, 0.2885.

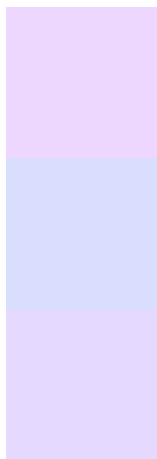


This preview shows how white text looks on a background with the Yxy color 73.8254, 0.3020, 0.2885.

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

73.8254, 0.3020, 0.2885

Protanopia

74.2143, 0.2887, 0.2944

Deuteranopia

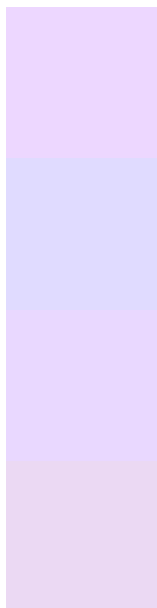
73.6687, 0.2972, 0.2900



Tritanopia

73.6914, 0.3122, 0.3103

Trichromacy



Original Color

73.8254, 0.3020, 0.2885

Protanomaly

73.7303, 0.2932, 0.2917

Deuteranomaly

73.6554, 0.2992, 0.2892

Tritanomaly

73.7589, 0.3083, 0.3022

Monochromacy



Original Color

73.8254, 0.3020, 0.2885

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.1800, 0.3086, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8254, 0.3020, 0.2885 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(237, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 215, 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(237, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.8254, 0.3020, 0.2885 is called "border". The border property can be set on classes, ids or directly on the HTML element.

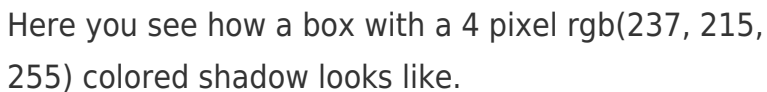
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 215, 255) }
```

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

```
.border{ border-color:rgb(237, 215, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 215, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 215, 255); box-shadow:4px 4px 4px 4px rgb(237, 215, 255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 73.8254, 0.3020, 0.2885$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 215, 255) }
```

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

```
.background{ background-color: rgb(237,  
215, 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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