

Converting Colors

$Y_{xy}(83.7954, 0.2502, 0.2216)$

Have a look what the booklet for
Yxy(83.7954, 0.2502, 0.2216)
contains.

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Color

Yxy(76.6534, 0.2966, 0.2962)

Conversions

Conversions Part 1

Format	Color
Hex	E5DFFF
RGB	229, 223, 255
RGB Percent	90%, 87%, 100%
CMY	0.1019, 0.1255, 0.0000
CMYK	0.10, 0.13, 0.00, 0.00
HSL	251°, 100%, 94%
HSV	251°, 13%, 100%
XYZ	76.7569, 76.6534, 105.3790
YIQ	228.4420, -6.6960, 11.2240

Conversions

Conversions Part 2

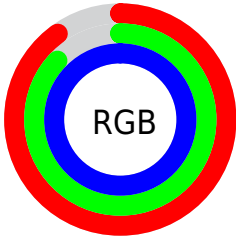
Format	Color
R _Y B	229, 223, 255
Decimal	15065087
CIE Lab	90.16, 8.02, -14.79
CIE LCh	90, 16.829, 298.475
Yxy	76.6534, 0.2966, 0.2962
Android (android.graphics.Color)	4293255167 (0xFFE5DFFF)
YUV	228.4420, 13.0931, 0.4894
Hunter-Lab	87.5519, 3.2754, -10.0761

Details

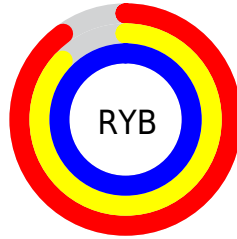
The Yxy color $76.6534, 0.2966, 0.2962$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.9845, 0.3276, 0.3605$, and the grayscale version is $77.8313, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $40.9667, 0.2927, 0.2894$ is the 20% darker color. If you saturate the color by 10%, you get $60.8339, 0.2817, 0.2668$, and if you desaturate by 10%, it is $94.9342, 0.3097, 0.3227$.

Distribution



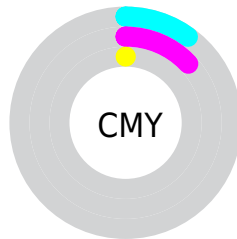
- Red (90%)
- Green (87%)
- Blue (100%)



- Red (90%)
- Yellow (87%)
- Blue (100%)



- Cyan (10%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6534, 0.2966, 0.2962 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 76.6534, 0.2966, 0.2962 by changing the saturation by 10% instead.

76.6534, 0.2966,
0.2962

76.6534, 0.2966,
0.2962

483.5815, 0.3041,
0.3110

56.9685, 0.2949,
0.2929

128.6501, 0.2992,
0.3012

40.9799, 0.2928,
0.2889

161.7306, 0.3002,
0.3032

28.3034, 0.2902,
0.2840

200.0452, 0.3011,
0.3049

18.5545, 0.2867,
0.2776

243.9781, 0.3018,
0.3064

11.3488, 0.2821,
0.2691

293.9138, 0.3025,
0.3078

6.3020, 0.2754,
0.2573

350.2367, 0.3031,

3.0295, 0.2651,

0.3090

0.2400

413.3311, 0.3036,
0.3100

■ 1.1472, 0.2476,
0.2120

■ 0.0179, 0.1654,
0.0139

■ 76.6534, 0.2966,
0.2962

■ 76.6534, 0.2966,
0.2962

■ 60.8339, 0.2817,
0.2668

■ 94.9342, 0.3097,
0.3227

■ 47.3653, 0.2649,
0.2348

100.0000, 0.3127,
0.3290

■ 36.1359, 0.2466,
0.2011

■ 27.0227, 0.2275,
0.1671

■ 19.8909, 0.2083,
0.1349

■ 14.5899, 0.1905,
0.1067

■ 10.9468, 0.1753,
0.0848

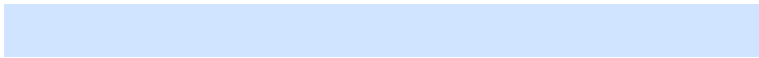
■ 8.7545, 0.1637,
0.0704

■ 7.8468, 0.1576,
0.0642

Harmonies

Analogous

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



76.6534, 0.2816, 0.2972



76.6534, 0.2966, 0.2962



76.6534, 0.3163, 0.3034

Triad

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



76.6534, 0.2966, 0.2962



76.6534, 0.3520, 0.3498



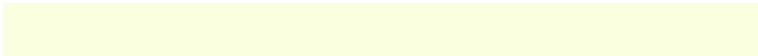
76.6534, 0.2899, 0.3413

Complementary

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



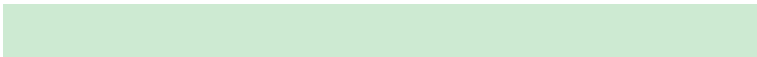
76.6534, 0.2966, 0.2962



96.9845, 0.3276, 0.3605

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.



76.6534, 0.3082, 0.3568



76.6534, 0.2966, 0.2962



76.6534, 0.3443, 0.3612

Square

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



76.6534, 0.2966, 0.2962



76.6534, 0.3488, 0.3336



76.6534, 0.3281, 0.3640



76.6534, 0.2779, 0.3226

Rectangle

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



76.6534, 0.2966, 0.2962



76.6534, 0.3296, 0.3118



76.6534, 0.3281, 0.3640



76.6534, 0.2955, 0.3471

Sweetspot

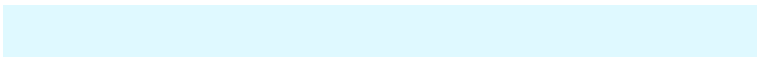
The Sweet Spot groups the original color and five complimentary colors.



76.6549, 0.2966, 0.2962



92.1267, 0.3079, 0.3191



90.7414, 0.2933, 0.3230



19.4117, 0.3070, 0.3172



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.



76.6549, 0.2966, 0.2962



72.5547, 0.2931, 0.2893



79.3830, 0.3073, 0.2973



17.5420, 0.3008, 0.3046



4.1468, 0.1587, 0.0648



0.4454, 0.1682, 0.0700

Inverse Universe

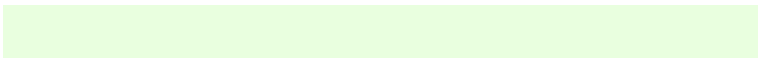
The Inverse Universe completely reimagines the original color for something new.



80.8731, 0.3181, 0.3036



77.5224, 0.3193, 0.2985



94.1935, 0.3175, 0.3615



18.2383, 0.3167, 0.3099



13.4854, 0.3752, 0.1840



1.3275, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 76.6534, 0.2966, 0.2962 looks on a white background.

Color Contrast Check

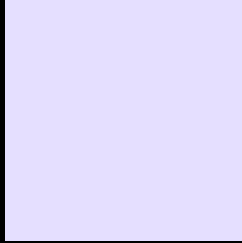
Large Text (above 18pt) WCAG AA × Fail

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 76.6534, 0.2966, 0.2962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

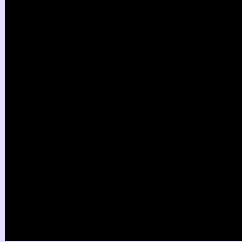
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6534, 0.2966, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 76.6534, 0.2966, 0.2962.

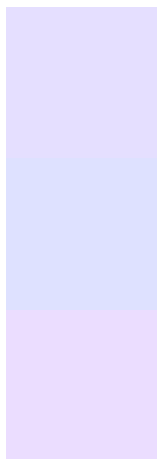


This preview shows how white text looks on a background with the Yxy color 76.6534, 0.2966, 0.2962.

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

76.6534, 0.2966, 0.2962

Protanopia

76.6000, 0.2921, 0.2979

Deuteranopia

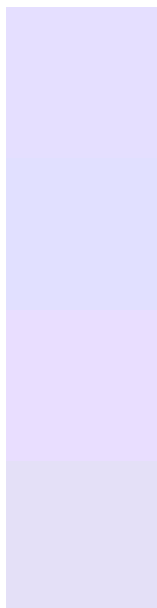
76.5951, 0.3006, 0.2946



Tritanopia

76.6524, 0.3027, 0.3102

Trichromacy



Original Color

76.6534, 0.2966, 0.2962

Protanomaly

76.5389, 0.2940, 0.2970

Deuteranomaly

76.7862, 0.2993, 0.2955

Tritanomaly

76.5207, 0.3009, 0.3052

Monochromacy



Original Color

76.6534, 0.2966, 0.2962

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.0597, 0.3064, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6534, 0.2966, 0.2962 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(229, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 223, 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(229, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.6534, 0.2966, 0.2962 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(229, 223, 255) }
```

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

```
.border{ border-color:rgb(229, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6534, 0.2966, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 223, 255) }
```

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

```
.background{ background-color: rgb(229,  
223, 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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