

Converting Colors

$Y_{xy}(76.3234, 0.2946, 0.2964)$

Have a look what the booklet for
Yxy(76.3234, 0.2946, 0.2964)
contains.

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Color

Yxy(76.1641, 0.2946, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	E2DFFF
RGB	226, 223, 255
RGB Percent	89%, 87%, 100%
CMY	0.1138, 0.1255, 0.0000
CMYK	0.11, 0.13, 0.00, 0.00
HSL	246°, 100%, 94%
HSV	246°, 13%, 100%
XYZ	75.8039, 76.1641, 105.3432
YIQ	227.5450, -8.4840, 10.5880

Conversions

Conversions Part 2

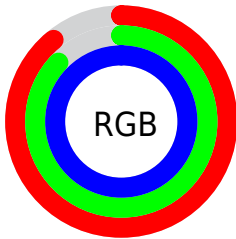
Format	Color
R_YB	226, 223, 255
Decimal	14868479
CIE Lab	89.94, 7.06, -15.16
CIE LCh	90, 16.726, 294.983
Yxy	76.1641, 0.2946, 0.2960
Android (android.graphics.Color)	4293058559 (0xFFE2DFFF)
YUV	227.5450, 13.5353, -1.3550
Hunter-Lab	87.2720, 2.3177, -10.4766

Details

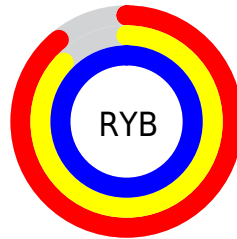
The Yxy color **76.1641, 0.2946, 0.2960** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97.5456, 0.3296, 0.3603**, and the grayscale version is **77.1367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7404, 0.2910, 0.2892** is the 20% darker color. If you saturate the color by 10%, you get **60.0605, 0.2779, 0.2661**, and if you desaturate by 10%, it is **94.8252, 0.3093, 0.3227**.

Distribution



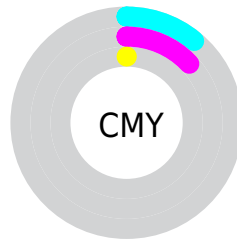
- Red (89%)
- Green (87%)
- Blue (100%)



- Red (89%)
- Yellow (87%)
- Blue (100%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1641, 0.2946, 0.2960 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 76.1641, 0.2946, 0.2960 by changing the saturation by 10% instead.

■ 76.1641, 0.2946,
0.2960

■ 76.1641, 0.2946,
0.2960

481.9093, 0.3030,
0.3109

■ 56.5671, 0.2927,
0.2927

127.9588, 0.2975,
0.3011

■ 40.6578, 0.2904,
0.2887

160.9254, 0.2986,
0.3031

■ 28.0518, 0.2874,
0.2836

199.1172, 0.2996,
0.3048

■ 18.3647, 0.2835,
0.2771

242.9186, 0.3004,
0.3063

■ 11.2121, 0.2783,
0.2685

292.7142, 0.3012,
0.3077

■ 6.2097, 0.2709,
0.2566

348.8882, 0.3018,

■ 2.9730, 0.2595,

0.3089

0.2389

411.8251, 0.3024,
0.3099

■ 1.1177, 0.2401,
0.2102

■ 0.0000, 0.1357,
0.0000

■ 76.1641, 0.2946,
0.2960

■ 76.1641, 0.2946,
0.2960

■ 60.0605, 0.2779,
0.2661

■ 94.8252, 0.3093,
0.3227

■ 46.4005, 0.2594,
0.2334

100.0000, 0.3127,
0.3290

■ 35.0651, 0.2394,
0.1987

■ 25.9245, 0.2188,
0.1637

■ 18.8362, 0.1988,
0.1306

■ 13.6406, 0.1808,
0.1019

■ 10.1546, 0.1665,
0.0801

■ 8.1582, 0.1567,
0.0666

■ 7.4119, 0.1524,
0.0613

Harmonies

Analogous

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



76.1641, 0.2805, 0.2980



76.1641, 0.2946, 0.2960



76.1641, 0.3139, 0.3023

Triad

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



76.1641, 0.2946, 0.2960



76.1641, 0.3521, 0.3480



76.1641, 0.2918, 0.3433

Complementary

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



76.1641, 0.2946, 0.2960



97.5456, 0.3296, 0.3603

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.



76.1641, 0.3105, 0.3580



76.1641, 0.2946, 0.2960



76.1641, 0.3456, 0.3601

Square

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



76.1641, 0.2946, 0.2960



76.1641, 0.3476, 0.3316



76.1641, 0.3302, 0.3641



76.1641, 0.2790, 0.3248

Rectangle

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



76.1641, 0.2946, 0.2960



76.1641, 0.3273, 0.3103



76.1641, 0.3302, 0.3641



76.1641, 0.2976, 0.3489

Sweetspot

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



76.1649, 0.2946, 0.2960



91.9520, 0.3073, 0.3191



92.7392, 0.2934, 0.3263



19.3677, 0.3062, 0.3171



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.



76.1649, 0.2946, 0.2960



71.9829, 0.2907, 0.2890



78.8161, 0.3051, 0.2971



17.4588, 0.2993, 0.3045



3.8999, 0.1530, 0.0617



0.4057, 0.1592, 0.0650

Inverse Universe

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



81.0665, 0.3161, 0.3008



77.7490, 0.3168, 0.2951



94.7383, 0.3195, 0.3613



18.2694, 0.3152, 0.3077



14.1410, 0.3460, 0.1680



1.3850, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 76.1641, 0.2946, 0.2960 looks on a white background.

Color Contrast Check

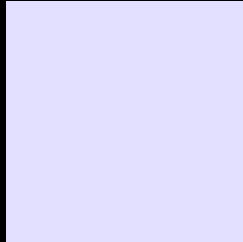
Large Text (above 18pt) WCAG AA × Fail

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 76.1641, 0.2946, 0.2960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

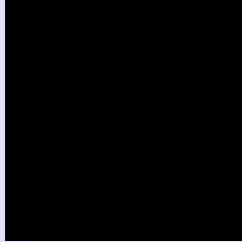
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1641, 0.2946, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 76.1641, 0.2946, 0.2960.

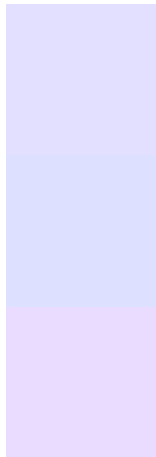


This preview shows how white text looks on a background with the Yxy color 76.1641, 0.2946, 0.2960.

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

76.1641, 0.2946, 0.2960

Protanopia

75.9035, 0.2914, 0.2968

Deuteranopia

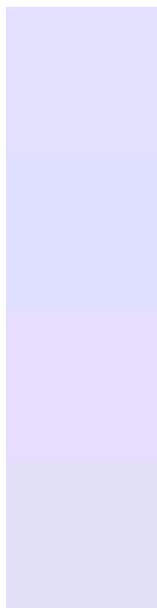
75.8988, 0.2999, 0.2935



Tritanopia

76.1688, 0.3006, 0.3101

Trichromacy



Original Color

76.1641, 0.2946, 0.2960

Protanomaly

76.2193, 0.2927, 0.2969

Deuteranomaly

75.9218, 0.2979, 0.2943

Tritanomaly

76.0343, 0.2988, 0.3050

Monochromacy



Original Color

76.1641, 0.2946, 0.2960

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

76.8967, 0.3058, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1641, 0.2946, 0.2960 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(226, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.1641, 0.2946, 0.2960 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(226, 223, 255) }
```

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

```
.border{ border-color:rgb(226, 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(226, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1641, 0.2946, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 223, 255) }
```

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

```
.background{ background-color: rgb(226,  
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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