

Converting Colors

$Y_{xy}(75.3322, 0.2966, 0.2936)$

Have a look what the booklet for
Yxy(75.3322, 0.2966, 0.2936)
contains.

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Color

Yxy(75.0644, 0.2966, 0.2931)

Conversions

Conversions Part 1

Format	Color
Hex	E5DCFF
RGB	229, 220, 255
RGB Percent	90%, 86%, 100%
CMY	0.1018, 0.1373, 0.0001
CMYK	0.10, 0.14, 0.00, 0.00
HSL	255°, 100%, 93%
HSV	255°, 14%, 100%
XYZ	75.9608, 75.0644, 105.0799
YIQ	226.6810, -5.8710, 12.7930

Conversions

Conversions Part 2

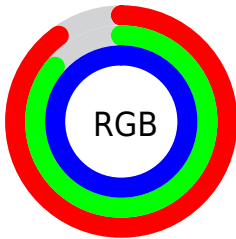
Format	Color
R _Y B	229, 220, 255
Decimal	15064319
CIE Lab	89.42, 9.59, -15.88
CIE LCh	89, 18.552, 301.135
Yxy	75.0644, 0.2966, 0.2931
Android (android.graphics.Color)	4293254399 (0xFFE5DCFF)
YUV	226.6810, 13.9613, 2.0338
Hunter-Lab	86.6397, 4.8791, -11.2614

Details

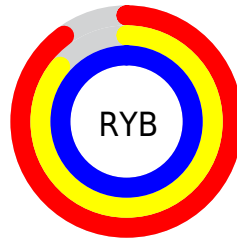
The Yxy color **75.0644, 0.2966, 0.2931** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.2628, 0.3275, 0.3637**, and the grayscale version is **76.4762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.8717, 0.2926, 0.2854** is the 20% darker color. If you saturate the color by 10%, you get **59.7437, 0.2828, 0.2637**, and if you desaturate by 10%, it is **92.7717, 0.3087, 0.3198**.

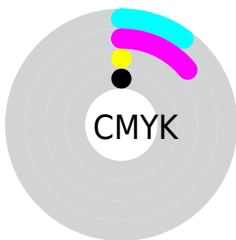
Distribution



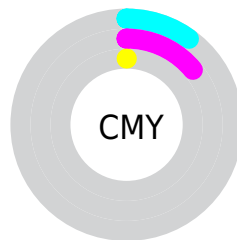
- Red (90%)
- Green (86%)
- Blue (100%)



- Red (90%)
- Yellow (86%)
- Blue (100%)



- Cyan (10%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0644, 0.2966, 0.2931 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 75.0644, 0.2966, 0.2931 by changing the saturation by 10% instead.

75.0644, 0.2966,
0.2931

75.0644, 0.2966,
0.2931

478.1389, 0.3041,
0.3093

55.6657, 0.2949,
0.2895

126.4035, 0.2992,
0.2986

39.9349, 0.2928,
0.2851

159.1127, 0.3002,
0.3008

27.4878, 0.2901,
0.2797

197.0274, 0.3011,
0.3027

17.9399, 0.2865,
0.2727

240.5322, 0.3019,
0.3043

10.9069, 0.2817,
0.2634

290.0113, 0.3025,
0.3058

6.0042, 0.2749,
0.2505

345.8492, 0.3031,

2.8477, 0.2642,

0.3071

0.2315

408.4303, 0.3036,
0.3082

■ 1.0527, 0.2457,
0.2010

■ 0.0000, 0.1426,
0.0000

■ 75.0644, 0.2966,
0.2931

■ 75.0644, 0.2966,
0.2931

■ 59.7437, 0.2828,
0.2637

■ 92.7717, 0.3087,
0.3198

■ 46.6973, 0.2672,
0.2320

99.9991, 0.3127,
0.3290

■ 35.8176, 0.2501,
0.1990

■ 26.9845, 0.2322,
0.1660

■ 20.0663, 0.2140,
0.1350

■ 14.9150, 0.1969,
0.1080

■ 11.3605, 0.1818,
0.0870

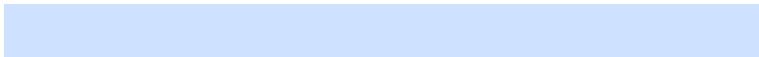
■ 9.1968, 0.1697,
0.0731

■ 8.3710, 0.1638,
0.0676

Harmonies

Analogous

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



75.0644, 0.2794, 0.2932



75.0644, 0.2966, 0.2931



75.0644, 0.3187, 0.3018

Triad

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



75.0644, 0.2966, 0.2931



75.0644, 0.3561, 0.3534



75.0644, 0.2859, 0.3408

Complementary

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



75.0644, 0.2966, 0.2931



96.2628, 0.3275, 0.3637

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.



75.0644, 0.3057, 0.3587



75.0644, 0.2966, 0.2931



75.0644, 0.3465, 0.3654

Square

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



75.0644, 0.2966, 0.2931



75.0644, 0.3537, 0.3357



75.0644, 0.3279, 0.3678



75.0644, 0.2734, 0.3200

Rectangle

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



75.0644, 0.2966, 0.2931



75.0644, 0.3333, 0.3114



75.0644, 0.3279, 0.3678



75.0644, 0.2918, 0.3474

Sweetspot

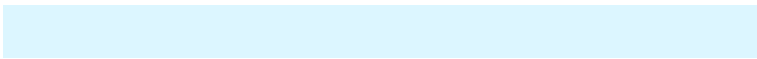
The Sweet Spot groups the original color and five complimentary colors.



75.0676, 0.2966, 0.2931



92.2568, 0.3084, 0.3191



88.4915, 0.2915, 0.3200



19.4446, 0.3075, 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.



75.0676, 0.2966, 0.2931



71.3789, 0.2936, 0.2866



78.0408, 0.3083, 0.2944



17.6043, 0.3019, 0.3047



4.4347, 0.1652, 0.0684



0.4815, 0.1762, 0.0745

Inverse Universe

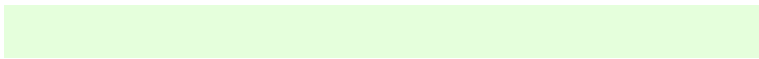
The Inverse Universe completely reimagines the original color for something new.



79.0940, 0.3203, 0.3035



76.0146, 0.3217, 0.2992



93.2943, 0.3165, 0.3649



18.2156, 0.3178, 0.3115



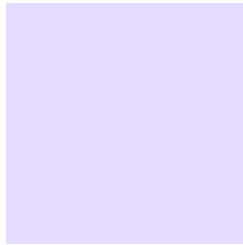
13.0583, 0.3994, 0.1974



1.2892, 0.3884, 0.1913

Previews

White Background



This preview shows how the Yxy color 75.0644, 0.2966, 0.2931 looks on a white background.

Color Contrast Check

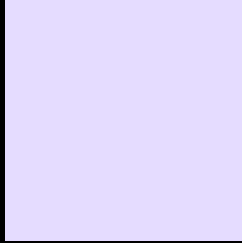
Large Text (above 18pt) WCAG AA × Fail

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 75.0644, 0.2966, 0.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

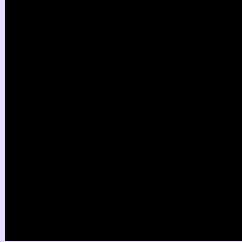
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0644, 0.2966, 0.2931

Background



This preview shows how black text looks on a background with the Yxy color 75.0644, 0.2966, 0.2931.

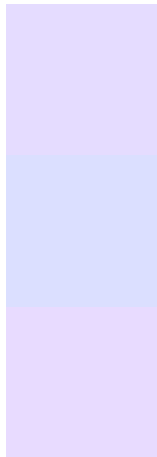


This preview shows how white text looks on a background with the Yxy color 75.0644, 0.2966, 0.2931.

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

75.0644, 0.2966, 0.2931

Protanopia

75.0554, 0.2901, 0.2956

Deuteranopia

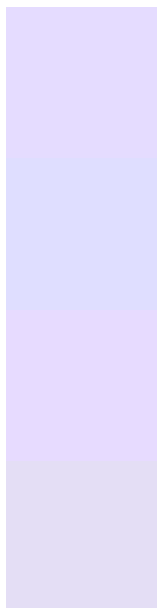
75.0388, 0.2986, 0.2923



Tritanopia

75.3975, 0.3046, 0.3112

Trichromacy



Original Color

75.0644, 0.2966, 0.2931

Protanomaly

75.1505, 0.2926, 0.2948

Deuteranomaly

74.8720, 0.2979, 0.2922

Tritanomaly

75.3291, 0.3021, 0.3051

Monochromacy



Original Color

75.0644, 0.2966, 0.2931

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

75.9197, 0.3071, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0644, 0.2966, 0.2931 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, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 220, 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, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.0644, 0.2966, 0.2931 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, 220, 255) }
```

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

```
.border{ border-color:rgb(229, 220, 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, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0644, 0.2966, 0.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 220, 255) }
```

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

```
.background{ background-color: rgb(229,  
220, 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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