

Converting Colors

$Y_{xy}(84.0206, 0.2410, 0.2012)$

Have a look what the booklet for
Yxy(84.0206, 0.2410, 0.2012)
contains.

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Color

Yxy(74.5186, 0.2986, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	E8DAFF
RGB	232, 218, 255
RGB Percent	91%, 85%, 100%
CMY	0.0900, 0.1451, 0.0000
CMYK	0.09, 0.15, 0.00, 0.00
HSL	263°, 100%, 93%
HSV	263°, 15%, 100%
XYZ	76.4123, 74.5186, 104.9709
YIQ	226.4040, -3.5330, 14.4750

Conversions

Conversions Part 2

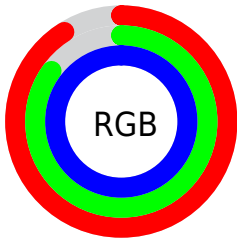
Format	Color
R_{YB}	232, 218, 255
Decimal	15260415
CIE _{Lab}	89.17, 11.61, -16.25
CIE _{LCh}	89, 19.976, 305.548
Yxy	74.5186, 0.2986, 0.2912
Android (android.graphics.Color)	4293450495 (0xFFE8DAFF)
YUV	226.4040, 14.0978, 4.9077
Hunter-Lab	86.3242, 6.9371, -11.6702

Details

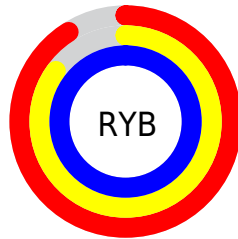
The Yxy color $74.5186, 0.2986, 0.2912$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.2718, 0.3254, 0.3662$, and the grayscale version is $76.2641, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $39.5017, 0.2951, 0.2830$ is the 20% darker color. If you saturate the color by 10%, you get $59.7692, 0.2870, 0.2623$, and if you desaturate by 10%, it is $91.5456, 0.3087, 0.3178$.

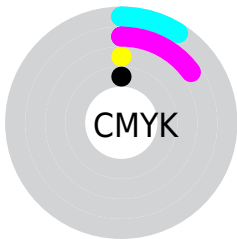
Distribution



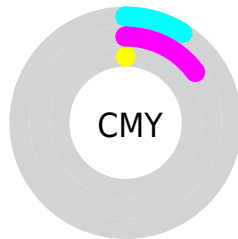
- Red (91%)
- Green (85%)
- Blue (100%)



- Red (91%)
- Yellow (85%)
- Blue (100%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5186, 0.2986, 0.2912 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 74.5186, 0.2986, 0.2912 by changing the saturation by 10% instead.

74.5186, 0.2986,
0.2912

74.5186, 0.2986,
0.2912

476.2613, 0.3052,
0.3082

55.2186, 0.2971,
0.2874

125.6307, 0.3009,
0.2970

39.5768, 0.2952,
0.2829

158.2116, 0.3018,
0.2993

27.2087, 0.2928,
0.2771

195.9882, 0.3026,
0.3013

17.7300, 0.2896,
0.2698

239.3449, 0.3032,
0.3030

10.7563, 0.2853,
0.2601

288.6662, 0.3038,
0.3045

5.9032, 0.2790,
0.2467

344.3365, 0.3044,

2.7863, 0.2692,

0.3059

0.2270

406.7400, 0.3048,
0.3071

■ 1.0212, 0.2520,
0.1954

■ 0.0000, 0.1588,
0.0000

■ 74.5186, 0.2986,
0.2912

■ 74.5186, 0.2986,
0.2912

■ 59.7692, 0.2870,
0.2623

■ 91.5456, 0.3087,
0.3178

■ 47.1909, 0.2738,
0.2316

100.0000, 0.3127,
0.3290

■ 36.6799, 0.2593,
0.2000

■ 28.1205, 0.2437,
0.1688

■ 21.3855, 0.2277,
0.1396

■ 16.3318, 0.2121,
0.1144

■ 12.7939, 0.1977,
0.0946

■ 10.5698, 0.1853,
0.0813

■ 9.7539, 0.1794,
0.0762

Harmonies

Analogous

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



74.5186, 0.2790, 0.2898



74.5186, 0.2986, 0.2912



74.5186, 0.3227, 0.3017

Triad

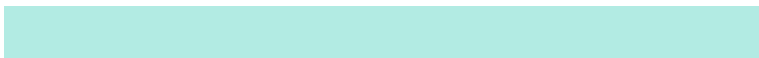
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.5186, 0.2986, 0.2912



74.5186, 0.3588, 0.3576



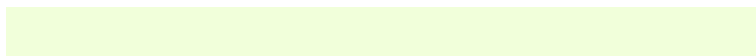
74.5186, 0.2812, 0.3384

Complementary

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



74.5186, 0.2986, 0.2912



95.2718, 0.3254, 0.3662

Split Complementary

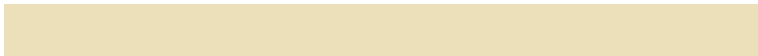
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.5186, 0.3016, 0.3588



74.5186, 0.2986, 0.2912



74.5186, 0.3467, 0.3694

Square

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



74.5186, 0.2986, 0.2912



74.5186, 0.3582, 0.3391



74.5186, 0.3256, 0.3703



74.5186, 0.2693, 0.3161

Rectangle

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



74.5186, 0.2986, 0.2912



74.5186, 0.3381, 0.3127



74.5186, 0.3256, 0.3703



74.5186, 0.2872, 0.3458

Sweetspot

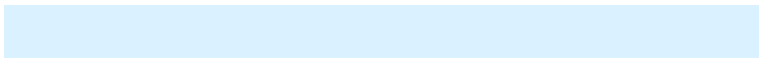
The Sweet Spot groups the original color and five complimentary colors.



74.5211, 0.2986, 0.2912



92.4838, 0.3091, 0.3191



85.2889, 0.2901, 0.3150



19.5019, 0.3084, 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.



74.5211, 0.2986, 0.2912



70.6453, 0.2959, 0.2842



77.6933, 0.3110, 0.2926



17.7139, 0.3038, 0.3048



5.1754, 0.1811, 0.0771



0.5642, 0.1935, 0.0840

Inverse Universe

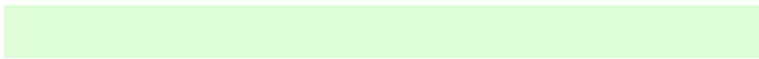
The Inverse Universe completely reimagines the original color for something new.



77.7446, 0.3238, 0.3064



74.3766, 0.3260, 0.3023



92.2573, 0.3140, 0.3675



18.1765, 0.3197, 0.3144



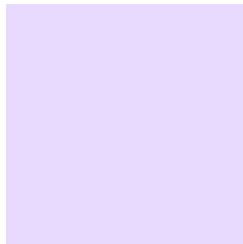
12.4312, 0.4462, 0.2232



1.2317, 0.4280, 0.2131

Previews

White Background



This preview shows how the Yxy color 74.5186, 0.2986, 0.2912 looks on a white background.

Color Contrast Check

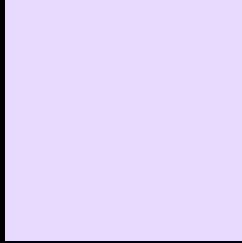
Large Text (above 18pt) WCAG AA × Fail

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 74.5186, 0.2986, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

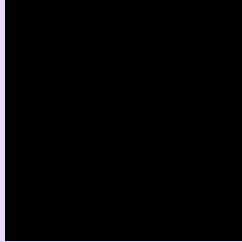
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.5186, 0.2986, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 74.5186, 0.2986, 0.2912.

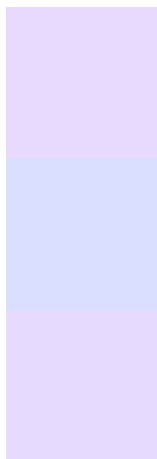


This preview shows how white text looks on a background with the Yxy color 74.5186, 0.2986, 0.2912.

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

74.5186, 0.2986, 0.2912

Protanopia

74.3680, 0.2894, 0.2945

Deuteranopia

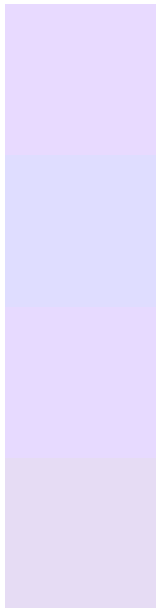
74.3517, 0.2979, 0.2911



Tritanopia

74.5440, 0.3073, 0.3112

Trichromacy



Original Color

74.5186, 0.2986, 0.2912

Protanomaly

74.6209, 0.2926, 0.2937

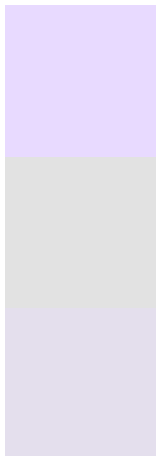
Deuteranomaly

74.3517, 0.2979, 0.2911

Tritanomaly

74.5410, 0.3041, 0.3041

Monochromacy



Original Color

74.5186, 0.2986, 0.2912

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.3838, 0.3072, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5186, 0.2986, 0.2912 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(232, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 218, 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(232, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.5186, 0.2986, 0.2912 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(232, 218, 255) }
```

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

```
.border{ border-color:rgb(232, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 218, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 218, 255); box-shadow:4px 4px 4px 4px rgb(232, 218, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5186, 0.2986, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 218, 255) }
```

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

```
.background{ background-color: rgb(232,  
218, 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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