

Converting Colors

$Y_{xy}(79.3721, 0.2999, 0.3040)$

Have a look what the booklet for
Yxy(79.3721, 0.2999, 0.3040)
contains.

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Color

Yxy(79.5040, 0.2998, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	E7E4FC
RGB	231, 228, 252
RGB Percent	91%, 89%, 99%
CMY	0.0940, 0.1059, 0.0118
CMYK	0.08, 0.10, 0.00, 0.01
HSL	248°, 80%, 94%
HSV	248°, 10%, 99%
XYZ	78.2768, 79.5040, 103.3160
YIQ	231.6330, -5.9160, 8.1000

Conversions

Conversions Part 2

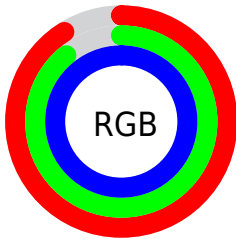
Format	Color
R_{YB}	231, 228, 252
Decimal	15197436
CIE _{Lab}	91.46, 5.47, -11.25
CIE _{LCh}	91, 12.513, 295.940
Yxy	79.5040, 0.2998, 0.3045
Android (android.graphics.Color)	4293387516 (0xFFE7E4FC)
YUV	231.6330, 10.0409, -0.5551
Hunter-Lab	89.1650, 0.6641, -6.2842

Details

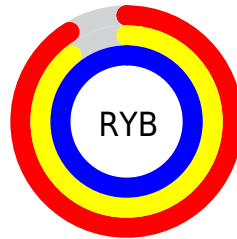
The Yxy color **79.5040, 0.2998, 0.3045** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.3562, 0.3250, 0.3527**, and the grayscale version is **80.3397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9412, 0.2968, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **63.2024, 0.2843, 0.2757**, and if you desaturate by 10%, it is **98.2936, 0.3133, 0.3301**.

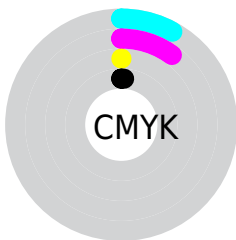
Distribution



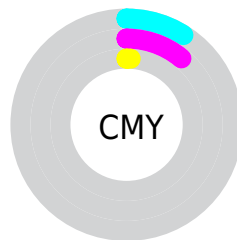
- Red (91%)
- Green (89%)
- Blue (99%)



- Red (91%)
- Yellow (89%)
- Blue (99%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5040, 0.2998, 0.3045 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 79.5040, 0.2998, 0.3045 by changing the saturation by 10% instead.

79.5040, 0.2998,
0.3045

79.5040, 0.2998,
0.3045

493.2597, 0.3057,
0.3155

59.3103, 0.2985,
0.3021

132.6682, 0.3018,
0.3083

42.8629, 0.2968,
0.2991

166.4074, 0.3026,
0.3097

29.7776, 0.2947,
0.2953

205.4306, 0.3033,
0.3110

19.6698, 0.2921,
0.2906

250.1221, 0.3039,
0.3122

12.1553, 0.2884,
0.2842

300.8664, 0.3045,
0.3131

6.8495, 0.2833,
0.2754

358.0478, 0.3049,

3.3682, 0.2755,

0.3140

0.2622

422.0508, 0.3053,
0.3148

■ 1.3268, 0.2621,
0.2408

■ 0.1618, 0.2035,
0.1146

■ 79.5040, 0.2998,
0.3045

■ 79.5040, 0.2998,
0.3045

■ 63.2024, 0.2843,
0.2757

■ 98.2936, 0.3133,
0.3301

■ 49.2748, 0.2669,
0.2440

■ 99.8084, 0.3144,
0.3319

■ 37.6129, 0.2479,
0.2101

■ 28.0965, 0.2279,
0.1754

■ 20.5937, 0.2079,
0.1418

■ 14.9585, 0.1893,
0.1117

■ 11.0245, 0.1734,
0.0875

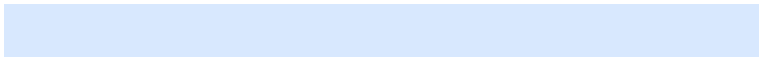
■ 8.5956, 0.1615,
0.0711

■ 7.3767, 0.1541,
0.0624

Harmonies

Analogous

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



79.5040, 0.2891, 0.3059



79.5040, 0.2998, 0.3045



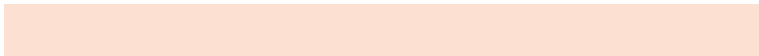
79.5040, 0.3142, 0.3093

Triad

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



79.5040, 0.2998, 0.3045



79.5040, 0.3416, 0.3436



79.5040, 0.2969, 0.3391

Complementary

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



79.5040, 0.2998, 0.3045



95.3562, 0.3250, 0.3527

Split Complementary

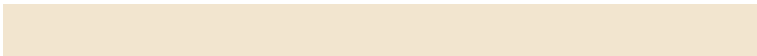
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5040, 0.3107, 0.3499



79.5040, 0.2998, 0.3045



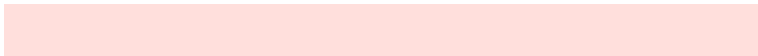
79.5040, 0.3367, 0.3522

Square

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



79.5040, 0.2998, 0.3045



79.5040, 0.3386, 0.3315



79.5040, 0.3253, 0.3547



79.5040, 0.2875, 0.3256

Rectangle

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



79.5040, 0.2998, 0.3045



79.5040, 0.3240, 0.3154



79.5040, 0.3253, 0.3547



79.5040, 0.3012, 0.3432

Sweetspot

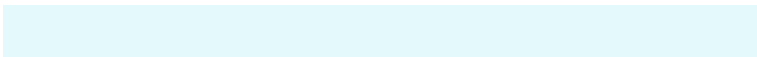
The Sweet Spot groups the original color and five complimentary colors.



79.5074, 0.2998, 0.3045



93.9705, 0.3088, 0.3216



91.3975, 0.2980, 0.3261



19.7772, 0.3078, 0.3196



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.



79.5074, 0.2998, 0.3045



79.0367, 0.2976, 0.3004



81.5318, 0.3076, 0.3051



16.7483, 0.2999, 0.3046



3.8539, 0.1547, 0.0626



0.3891, 0.1628, 0.0671

Inverse Universe

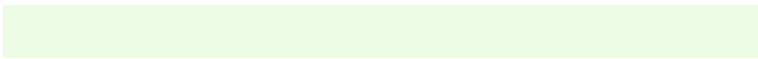
The Inverse Universe completely reimagines the original color for something new.



83.0174, 0.3158, 0.3085



83.1642, 0.3163, 0.3052



93.2619, 0.3174, 0.3532



17.4845, 0.3157, 0.3085



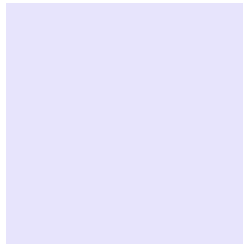
13.4904, 0.3557, 0.1733



1.2597, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 79.5040, 0.2998, 0.3045 looks on a white background.

Color Contrast Check

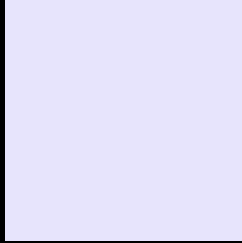
Large Text (above 18pt) WCAG AA × Fail

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 79.5040, 0.2998, 0.3045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

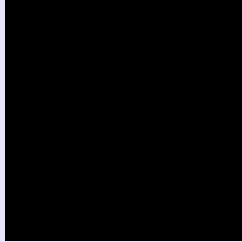
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5040, 0.2998, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 79.5040, 0.2998, 0.3045.



This preview shows how white text looks on a background with the Yxy color 79.5040, 0.2998, 0.3045.

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

79.5040, 0.2998, 0.3045

Protanopia

79.6245, 0.2972, 0.3044

Deuteranopia

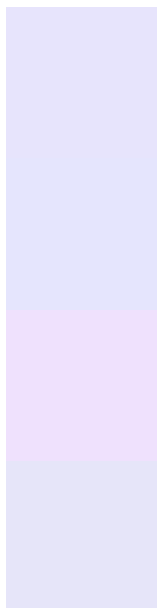
79.4578, 0.3072, 0.3001



Tritanopia

79.5770, 0.3022, 0.3105

Trichromacy



Original Color

79.5040, 0.2998, 0.3045

Protanomaly

79.7885, 0.2979, 0.3045

Deuteranomaly

79.2930, 0.3045, 0.3009

Tritanomaly

79.7012, 0.3009, 0.3085

Monochromacy



Original Color

79.5040, 0.2998, 0.3045

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.5396, 0.3084, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5040, 0.2998, 0.3045 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(231, 228, 252)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 252)  
}
```

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(231, 228, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 252) }
```

Border

The CSS property to change the border of an element to Yxy 79.5040, 0.2998, 0.3045 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(231, 228, 252) }
```

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

```
.border{ border-color:rgb(231, 228, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 228, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 252);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5040, 0.2998, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 228, 252) }
```

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

```
.background{ background-color: rgb(231,  
228, 252) }
```

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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