

Converting Colors

$Yxy(79.9926, 0.3004, 0.3065)$

Have a look what the booklet for
Yxy(79.9926, 0.3004, 0.3065)
contains.

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Color

Yxy(79.9926, 0.3004, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	E7E5FB
RGB	231, 229, 251
RGB Percent	91%, 90%, 98%
CMY	0.0939, 0.1020, 0.0156
CMYK	0.08, 0.09, 0.00, 0.02
HSL	246°, 73%, 94%
HSV	246°, 9%, 98%
XYZ	78.4006, 79.9926, 102.5941
YIQ	232.1060, -5.8700, 7.2660

Conversions

Conversions Part 2

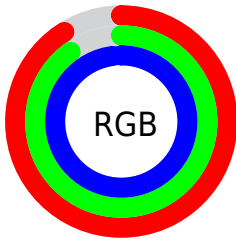
Format	Color
R _Y B	231, 229, 251
Decimal	15197691
CIE Lab	91.68, 4.77, -10.42
CIE LCh	92, 11.457, 294.623
Yxy	79.9926, 0.3004, 0.3065
Android (android.graphics.Color)	4293387771 (0xFFE7E5FB)
YUV	232.1060, 9.3147, -0.9700
Hunter-Lab	89.4386, -0.0470, -5.4040

Details

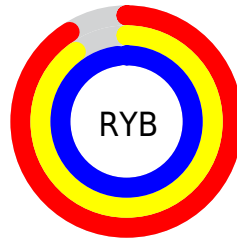
The Yxy color **79.9926, 0.3004, 0.3065** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.8002, 0.3245, 0.3507**, and the grayscale version is **80.7192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2811, 0.2976, 0.3027** is the 20% darker color. If you saturate the color by 10%, you get **63.5502, 0.2845, 0.2778**, and if you desaturate by 10%, it is **98.9426, 0.3143, 0.3319**.

Distribution



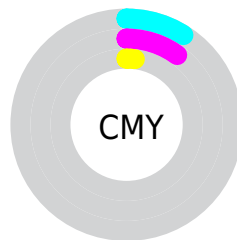
- Red (91%)
- Green (90%)
- Blue (98%)



- Red (91%)
- Yellow (90%)
- Blue (98%)



- Cyan (8%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9926, 0.3004, 0.3065 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 79.9926, 0.3004, 0.3065 by changing the saturation by 10% instead.

■ 79.9926, 0.3004,
0.3065

■ 79.9926, 0.3004,
0.3065

494.9079, 0.3060,
0.3166

■ 59.7123, 0.2991,
0.3043

133.3553, 0.3023,
0.3100

■ 43.1868, 0.2976,
0.3015

167.2065, 0.3031,
0.3113

■ 30.0317, 0.2956,
0.2981

206.3501, 0.3038,
0.3125

■ 19.8626, 0.2931,
0.2937

251.1705, 0.3043,
0.3135

■ 12.2952, 0.2896,
0.2878

302.0521, 0.3048,
0.3144

■ 6.9451, 0.2848,
0.2797

359.3792, 0.3053,

■ 3.4278, 0.2774,

0.3153

0.2675

423.5364, 0.3057,
0.3160

■ 1.3589, 0.2648,
0.2477

■ 0.1862, 0.2081,
0.1320

■ 79.9926, 0.3004,
0.3065

■ 79.9926, 0.3004,
0.3065

■ 63.5502, 0.2845,
0.2778

■ 98.9426, 0.3143,
0.3319

■ 49.5007, 0.2666,
0.2461

■ 99.7466, 0.3150,
0.3328

■ 37.7353, 0.2471,
0.2120

■ 28.1330, 0.2266,
0.1770

■ 20.5617, 0.2062,
0.1429

■ 14.8747, 0.1873,
0.1122

■ 10.9053, 0.1715,
0.0876

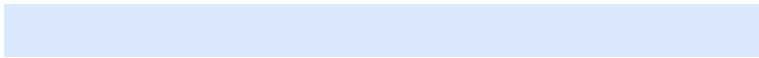
■ 8.4576, 0.1599,
0.0708

■ 7.2557, 0.1530,
0.0621

Harmonies

Analogous

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



79.9926, 0.2908, 0.3081



79.9926, 0.3004, 0.3065



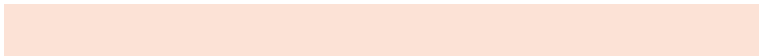
79.9926, 0.3135, 0.3107

Triad

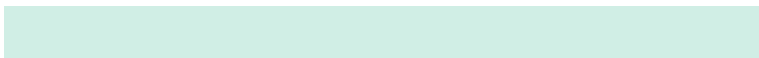
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9926, 0.3004, 0.3065



79.9926, 0.3391, 0.3419



79.9926, 0.2988, 0.3387

Complementary

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



79.9926, 0.3004, 0.3065



94.8002, 0.3245, 0.3507

Split Complementary

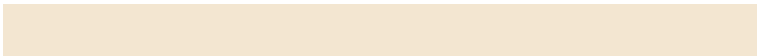
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9926, 0.3115, 0.3484



79.9926, 0.3004, 0.3065



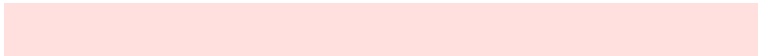
79.9926, 0.3350, 0.3500

Square

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



79.9926, 0.3004, 0.3065



79.9926, 0.3361, 0.3308



79.9926, 0.3248, 0.3525



79.9926, 0.2899, 0.3265

Rectangle

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



79.9926, 0.3004, 0.3065



79.9926, 0.3225, 0.3161



79.9926, 0.3248, 0.3525



79.9926, 0.3028, 0.3424

Sweetspot

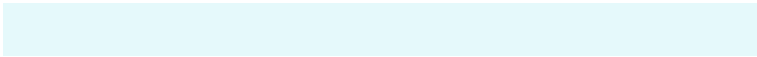
The Sweet Spot groups the original color and five complimentary colors.



79.9960, 0.3004, 0.3065



93.9240, 0.3087, 0.3216



91.4909, 0.2991, 0.3271



19.7647, 0.3076, 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.



79.9960, 0.3004, 0.3065



78.8826, 0.2970, 0.3004



81.8488, 0.3076, 0.3070



16.7205, 0.2993, 0.3046



3.7861, 0.1530, 0.0617



0.3760, 0.1595, 0.0652

Inverse Universe

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



83.3840, 0.3150, 0.3094



83.2233, 0.3157, 0.3043



92.8732, 0.3175, 0.3512



17.4950, 0.3152, 0.3078



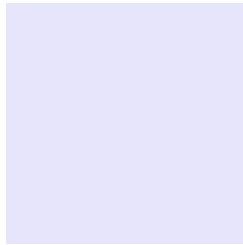
13.7238, 0.3459, 0.1679



1.2790, 0.3426, 0.1661

Previews

White Background



This preview shows how the Yxy color 79.9926, 0.3004, 0.3065 looks on a white background.

Color Contrast Check

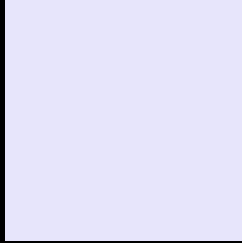
Large Text (above 18pt) WCAG AA × Fail

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 79.9926, 0.3004, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

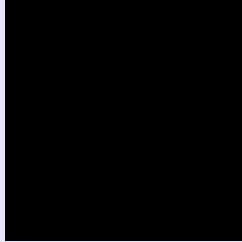
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9926, 0.3004, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 79.9926, 0.3004, 0.3065.

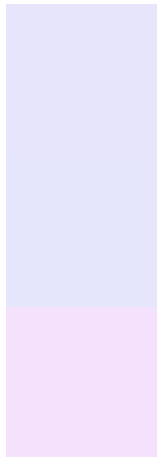


This preview shows how white text looks on a background with the Yxy color 79.9926, 0.3004, 0.3065.

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

79.9926, 0.3004, 0.3065

Protanopia

80.2167, 0.2991, 0.3075

Deuteranopia

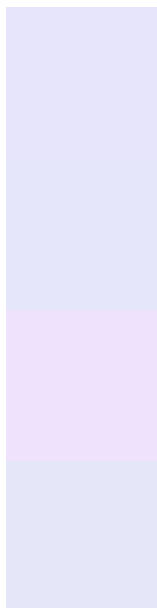
80.1118, 0.3085, 0.3021



Tritanopia

80.1939, 0.3015, 0.3105

Trichromacy



Original Color

79.9926, 0.3004, 0.3065

Protanomaly

80.3817, 0.2997, 0.3075

Deuteranomaly

79.7717, 0.3051, 0.3029

Tritanomaly

80.2562, 0.3009, 0.3095

Monochromacy



Original Color

79.9926, 0.3004, 0.3065

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 79.9926, 0.3004, 0.3065 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, 229, 251)` looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 251)  
}
```

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, 229, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 251) }
```

Border

The CSS property to change the border of an element to Yxy 79.9926, 0.3004, 0.3065 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, 229, 251) }
```

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

```
.border{ border-color:rgb(231, 229, 251) }
```

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

Here you see how a box with a 4 pixel rgb(231, 229, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 229, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 229, 251);  
box-shadow:4px 4px 4px 4px rgb(231, 229,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9926, 0.3004, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 229, 251) }
```

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

```
.background{ background-color: rgb(231,  
229, 251) }
```

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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