

Converting Colors

$Yxy(79.6144, 0.2999, 0.3006)$

Have a look what the booklet for
Yxy(79.6144, 0.2999, 0.3006)
contains.

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Color

Yxy(79.6506, 0.2999, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	EAE3FF
RGB	234, 227, 255
RGB Percent	92%, 89%, 100%
CMY	0.0825, 0.1097, 0.0000
CMYK	0.08, 0.11, 0.00, 0.00
HSL	255°, 100%, 95%
HSV	255°, 11%, 100%
XYZ	79.4387, 79.6506, 105.7946
YIQ	232.2850, -4.8160, 10.1920

Conversions

Conversions Part 2

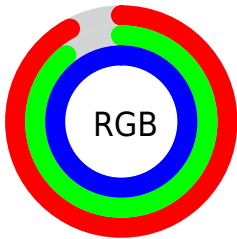
Format	Color
R_{YB}	234, 227, 255
Decimal	15393791
CIE Lab	91.53, 7.50, -12.70
CIE LCh	92, 14.746, 300.556
Yxy	79.6506, 0.2999, 0.3007
Android (android.graphics.Color)	4293583871 (0xFFEAE3FF)
YUV	232.2850, 11.1985, 1.5041
Hunter-Lab	89.2472, 2.6998, -7.8100

Details

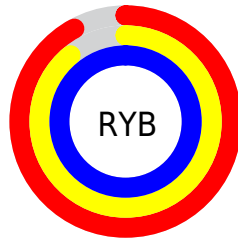
The Yxy color `79.6506, 0.2999, 0.3007` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97.0361, 0.3247, 0.3565`, and the grayscale version is `80.8354, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `43.0472, 0.2970, 0.2952` is the 20% darker color. If you saturate the color by 10%, you get `63.6488, 0.2864, 0.2720`, and if you desaturate by 10%, it is `98.0763, 0.3117, 0.3266`.

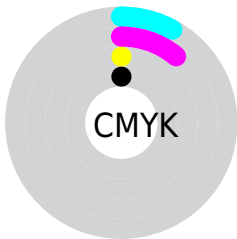
Distribution



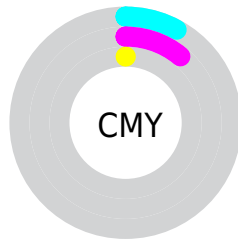
- Red (92%)
- Green (89%)
- Blue (100%)



- Red (92%)
- Yellow (89%)
- Blue (100%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6506, 0.2999, 0.3007 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 79.6506, 0.2999, 0.3007 by changing the saturation by 10% instead.

79.6506, 0.2999,
0.3007

79.6506, 0.2999,
0.3007

493.7546, 0.3058,
0.3134

59.4309, 0.2986,
0.2979

132.8744, 0.3019,
0.3050

42.9601, 0.2969,
0.2945

166.6472, 0.3027,
0.3067

29.8538, 0.2948,
0.2902

205.7066, 0.3034,
0.3082

19.7276, 0.2922,
0.2848

250.4368, 0.3040,
0.3095

12.1972, 0.2885,
0.2776

301.2223, 0.3045,
0.3106

6.8781, 0.2834,
0.2677

358.4475, 0.3050,

3.3860, 0.2755,

0.3117

0.2530

422.4968, 0.3054,
0.3126

■ 1.3364, 0.2620,
0.2294

■ 0.1691, 0.2164,
0.1065

■ 79.6506, 0.2999,
0.3007

■ 79.6506, 0.2999,
0.3007

■ 63.6488, 0.2864,
0.2720

■ 98.0763, 0.3117,
0.3266

■ 49.9594, 0.2710,
0.2408

100.0000, 0.3127,
0.3290

■ 38.4767, 0.2542,
0.2079

■ 29.0831, 0.2362,
0.1746

■ 21.6495, 0.2178,
0.1427

■ 16.0323, 0.2001,
0.1142

■ 12.0677, 0.1844,
0.0914

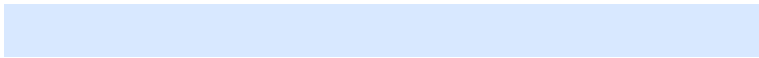
■ 9.5607, 0.1715,
0.0755

■ 8.2826, 0.1628,
0.0670

Harmonies

Analogous

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



79.6506, 0.2864, 0.3011



79.6506, 0.2999, 0.3007



79.6506, 0.3171, 0.3074

Triad

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



79.6506, 0.2999, 0.3007



79.6506, 0.3465, 0.3480



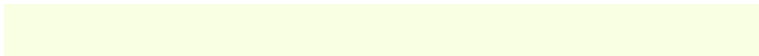
79.6506, 0.2920, 0.3385

Complementary

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



79.6506, 0.2999, 0.3007



97.0361, 0.3247, 0.3565

Split Complementary

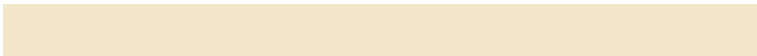
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.6506, 0.3077, 0.3522



79.6506, 0.2999, 0.3007



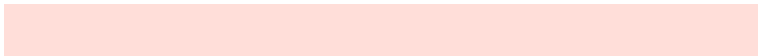
79.6506, 0.3393, 0.3573

Square

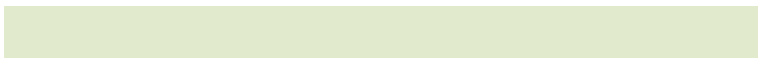
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6506, 0.2999, 0.3007



79.6506, 0.3444, 0.3341



79.6506, 0.3250, 0.3590



79.6506, 0.2820, 0.3225

Rectangle

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



79.6506, 0.2999, 0.3007



79.6506, 0.3285, 0.3150



79.6506, 0.3250, 0.3590



79.6506, 0.2968, 0.3436

Sweetspot

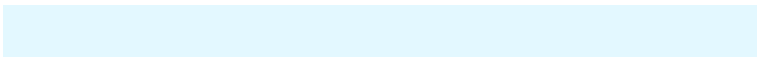
The Sweet Spot groups the original color and five complimentary colors.



79.6539, 0.2999, 0.3007



94.1407, 0.3094, 0.3216



90.9793, 0.2957, 0.3224



19.8229, 0.3085, 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.



79.6539, 0.2999, 0.3007



76.2163, 0.2973, 0.2951



82.0417, 0.3089, 0.3015



17.5951, 0.3017, 0.3047



4.3861, 0.1641, 0.0678



0.4757, 0.1750, 0.0738

Inverse Universe

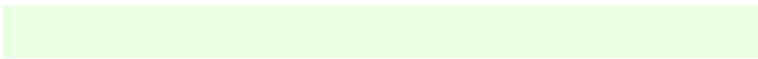
The Inverse Universe completely reimagines the original color for something new.



82.9910, 0.3184, 0.3085



80.1252, 0.3196, 0.3046



94.6413, 0.3160, 0.3573



18.2189, 0.3176, 0.3113



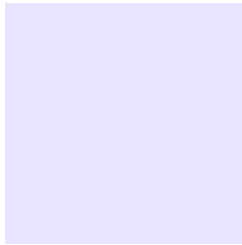
13.1184, 0.3957, 0.1953



1.2947, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 79.6506, 0.2999, 0.3007 looks on a white background.

Color Contrast Check

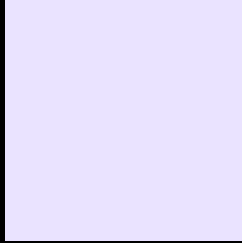
Large Text (above 18pt) WCAG AA × Fail

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 79.6506, 0.2999, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

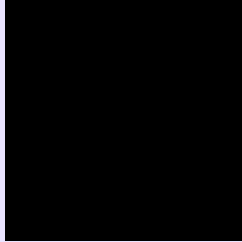
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.6506, 0.2999, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 79.6506, 0.2999, 0.3007.

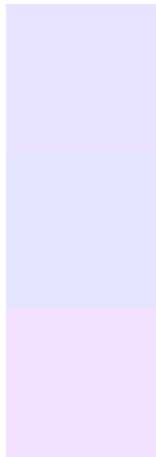


This preview shows how white text looks on a background with the Yxy color 79.6506, 0.2999, 0.3007.

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

79.6506, 0.2999, 0.3007

Protanopia

79.5895, 0.2954, 0.3024

Deuteranopia

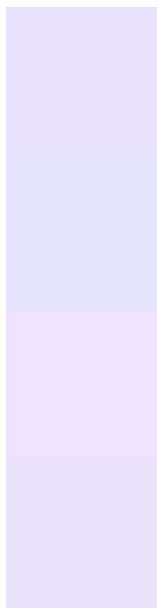
79.7712, 0.3046, 0.2991



Tritanopia

79.4643, 0.3048, 0.3106

Trichromacy



Original Color

79.6506, 0.2999, 0.3007

Protanomaly

79.5298, 0.2973, 0.3015

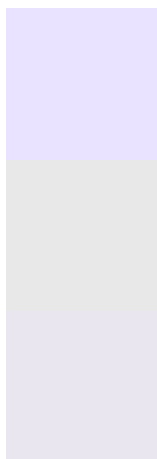
Deuteranomaly

79.7899, 0.3026, 0.2999

Tritanomaly

79.6500, 0.3029, 0.3076

Monochromacy



Original Color

79.6506, 0.2999, 0.3007

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.2085, 0.3085, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6506, 0.2999, 0.3007 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(234, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 227, 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(234, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.6506, 0.2999, 0.3007 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(234, 227, 255) }
```

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

```
.border{ border-color:rgb(234, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6506, 0.2999, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 227, 255) }
```

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

```
.background{ background-color: rgb(234,  
227, 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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