

Converting Colors

$Y_{xy}(79.7720, 0.3029, 0.3078)$

Have a look what the booklet for
Yxy(79.7720, 0.3029, 0.3078)
contains.

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Color

Yxy(79.6500, 0.3029, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	E9E4F9
RGB	233, 228, 249
RGB Percent	91%, 89%, 98%
CMY	0.0865, 0.1058, 0.0235
CMYK	0.06, 0.08, 0.00, 0.02
HSL	254°, 64%, 94%
HSV	254°, 8%, 98%
XYZ	78.4330, 79.6500, 100.8572
YIQ	231.8890, -3.7610, 7.5910

Conversions

Conversions Part 2

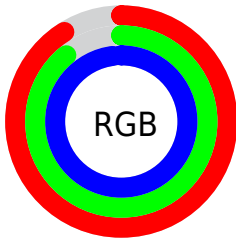
Format	Color
R _Y B	233, 228, 249
Decimal	15328505
CIE Lab	91.53, 5.50, -9.57
CIE LCh	92, 11.037, 299.900
Yxy	79.6500, 0.3029, 0.3076
Android (android.graphics.Color)	4293518585 (0xFFE9E4F9)
YUV	231.8890, 8.4357, 0.9743
Hunter-Lab	89.2468, 0.6895, -4.5304

Details

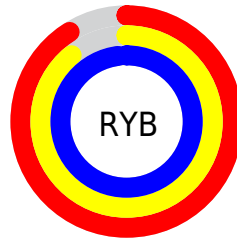
The Yxy color **79.6500, 0.3029, 0.3076** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.5961, 0.3220, 0.3499**, and the grayscale version is **80.5437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0845, 0.3001, 0.3028** is the 20% darker color. If you saturate the color by 10%, you get **63.8901, 0.2896, 0.2796**, and if you desaturate by 10%, it is **97.7357, 0.3144, 0.3328**.

Distribution



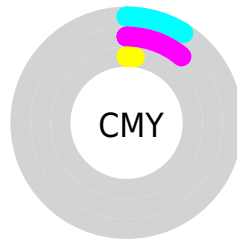
- Red (91%)
- Green (89%)
- Blue (98%)



- Red (91%)
- Yellow (89%)
- Blue (98%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)




- Cyan (9%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.6500, 0.3029, 0.3076 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 79.6500, 0.3029, 0.3076 by changing the saturation by 10% instead.


 79.6500, 0.3029,
0.3076

 79.6500, 0.3029,
0.3076


493.7525, 0.3074,
0.3172

 59.4304, 0.3019,
0.3055

132.8735, 0.3045,
0.3109

 42.9597, 0.3006,
0.3028


166.6462, 0.3051,
0.3122

 29.8535, 0.2990,
0.2996


205.7054, 0.3056,
0.3133

 19.7274, 0.2970,
0.2954

250.4355, 0.3060,
0.3143

 12.1970, 0.2942,
0.2898

301.2209, 0.3064,
0.3152

 6.8780, 0.2903,
0.2820

358.4459, 0.3068,

 3.3859, 0.2842,

0.3159

0.2704

422.4950, 0.3071,
0.3166

■ 1.3364, 0.2737,
0.2514

■ 0.1691, 0.2240,
0.1284

■ 79.6500, 0.3029,
0.3076

■ 79.6500, 0.3029,
0.3076

■ 63.8901, 0.2896,
0.2796

■ 97.7357, 0.3144,
0.3328

■ 50.3510, 0.2745,
0.2489

■ 99.6192, 0.3162,
0.3347

■ 38.9346, 0.2578,
0.2163

■ 29.5315, 0.2398,
0.1828

■ 22.0222, 0.2212,
0.1502

■ 16.2745, 0.2031,
0.1205

■ 12.1387, 0.1867,
0.0960

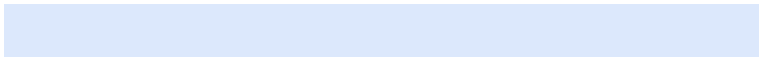
■ 9.4390, 0.1731,
0.0782

■ 7.9325, 0.1630,
0.0677

Harmonies

Analogous

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



79.6500, 0.2928, 0.3081



79.6500, 0.3029, 0.3076



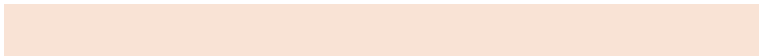
79.6500, 0.3158, 0.3125

Triad

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



79.6500, 0.3029, 0.3076



79.6500, 0.3380, 0.3432



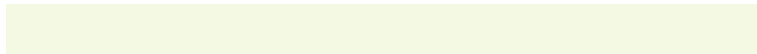
79.6500, 0.2974, 0.3364

Complementary

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



79.6500, 0.3029, 0.3076



92.5961, 0.3220, 0.3499

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.



79.6500, 0.3093, 0.3464



79.6500, 0.3029, 0.3076



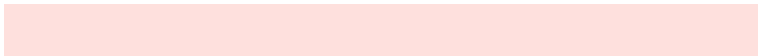
79.6500, 0.3328, 0.3501

Square

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



79.6500, 0.3029, 0.3076



79.6500, 0.3363, 0.3327



79.6500, 0.3222, 0.3514



79.6500, 0.2897, 0.3245

Rectangle

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



79.6500, 0.3029, 0.3076



79.6500, 0.3243, 0.3182



79.6500, 0.3222, 0.3514



79.6500, 0.3011, 0.3401

Sweetspot

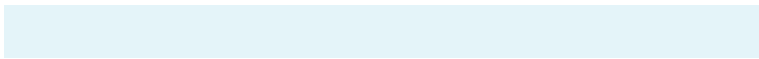
The Sweet Spot groups the original color and five complimentary colors.



79.6534, 0.3029, 0.3076



94.1226, 0.3094, 0.3216



88.0991, 0.2997, 0.3240



19.8181, 0.3084, 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.



79.6534, 0.3029, 0.3076



81.2815, 0.3009, 0.3033



81.4646, 0.3099, 0.3081



16.8398, 0.3016, 0.3047



4.2039, 0.1629, 0.0671



0.4355, 0.1741, 0.0733

Inverse Universe

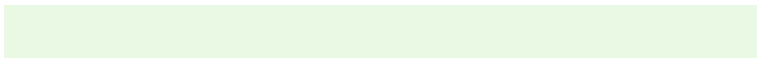
The Inverse Universe completely reimagines the original color for something new.



82.1736, 0.3168, 0.3131



84.4159, 0.3177, 0.3100



90.7782, 0.3153, 0.3504



17.4507, 0.3174, 0.3110



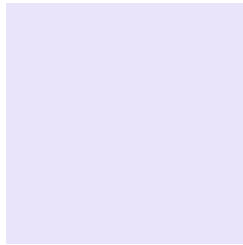
12.8054, 0.3911, 0.1928



1.2023, 0.3809, 0.1872

Previews

White Background



This preview shows how the Yxy color 79.6500, 0.3029, 0.3076 looks on a white background.

Color Contrast Check

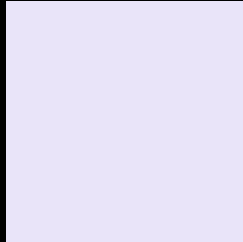
Large Text (above 18pt) WCAG AA × Fail

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 79.6500, 0.3029, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

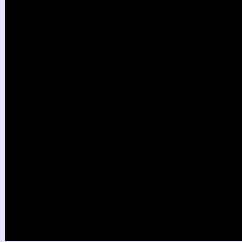
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.6500, 0.3029, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 79.6500, 0.3029, 0.3076.

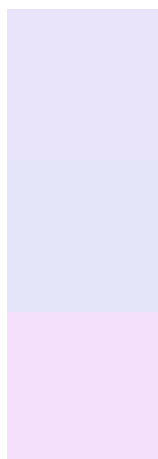


This preview shows how white text looks on a background with the Yxy color 79.6500, 0.3029, 0.3076.

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

79.6500, 0.3029, 0.3076

Protanopia

79.5988, 0.2997, 0.3074

Deuteranopia

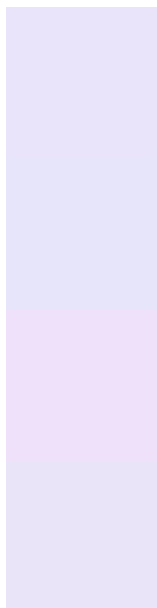
79.4465, 0.3098, 0.3030



Tritanopia

79.4643, 0.3048, 0.3106

Trichromacy



Original Color

79.6500, 0.3029, 0.3076

Protanomaly

79.7637, 0.3003, 0.3075

Deuteranomaly

79.2778, 0.3071, 0.3038

Tritanomaly

79.5258, 0.3042, 0.3096

Monochromacy



Original Color

79.6500, 0.3029, 0.3076

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4807, 0.3090, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6500, 0.3029, 0.3076 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(233, 228, 249)` looks like.

```
.text, #text, p{  
    color:rgb(233, 228, 249)  
}
```

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(233, 228, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 228, 249) }
```

Border

The CSS property to change the border of an element to Yxy 79.6500, 0.3029, 0.3076 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(233, 228, 249) }
```

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

```
.border{ border-color:rgb(233, 228, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 228, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 228, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 228, 249);  
box-shadow:4px 4px 4px 4px rgb(233, 228,  
249) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 79.6500, 0.3029, 0.3076$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 228, 249) }
```

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

```
.background{ background-color: rgb(233,  
228, 249) }
```

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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