

Converting Colors

$Yxy(78.4764, 0.3064, 0.3152)$

Have a look what the booklet for
Yxy(78.4764, 0.3064, 0.3152)
contains.

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Color

Yxy(78.8266, 0.3065, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	E7E4F1
RGB	231, 228, 241
RGB Percent	91%, 89%, 95%
CMY	0.0944, 0.1058, 0.0550
CMYK	0.04, 0.05, 0.00, 0.05
HSL	253°, 32%, 92%
HSV	253°, 5%, 95%
XYZ	76.5537, 78.8266, 94.3871
YIQ	230.3790, -2.3850, 4.6790

Conversions

Conversions Part 2

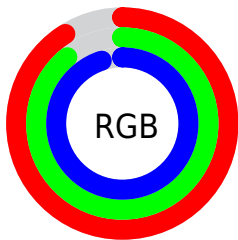
Format	Color
R_{YB}	231, 228, 241
Decimal	15197425
CIE Lab	91.16, 3.33, -5.95
CIE LCh	91, 6.815, 299.233
Yxy	78.8266, 0.3065, 0.3156
Android (android.graphics.Color)	4293387505 (0xFFE7E4F1)
YUV	230.3790, 5.2362, 0.5446
Hunter-Lab	88.7843, -1.4622, -0.8825

Details

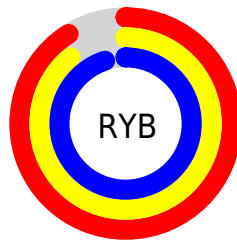
The Yxy color **78.8266, 0.3065, 0.3156** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7000, 0.3187, 0.3422**, and the grayscale version is **79.3814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5039, 0.3047, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **63.5294, 0.2936, 0.2884**, and if you desaturate by 10%, it is **96.3121, 0.3177, 0.3399**.

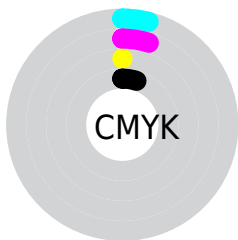
Distribution



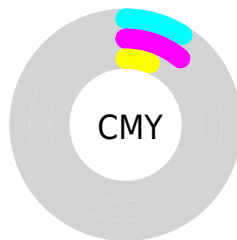
- Red (91%)
- Green (89%)
- Blue (95%)



- Red (91%)
- Yellow (89%)
- Blue (95%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8266, 0.3065, 0.3156 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 78.8266, 0.3065, 0.3156 by changing the saturation by 10% instead.

■ 78.8266, 0.3065,
0.3156

■ 78.8266, 0.3065,
0.3156

490.9695, 0.3094,
0.3217

■ 58.7533, 0.3059,
0.3142

131.7147, 0.3075,
0.3177

■ 42.4145, 0.3051,
0.3126

165.2983, 0.3079,
0.3185

■ 29.4260, 0.3041,
0.3105

204.1540, 0.3082,
0.3192

■ 19.4033, 0.3027,
0.3078

248.6664, 0.3085,
0.3198

■ 11.9621, 0.3010,
0.3042

299.2197, 0.3087,
0.3204

■ 6.7179, 0.2985,
0.2991

356.1984, 0.3090,

■ 3.2863, 0.2946,

0.3209

0.2914

419.9869, 0.3092,
0.3213

■ 1.2830, 0.2878,
0.2784

■ 0.1280, 0.2290,
0.1444

■ 78.8266, 0.3065,
0.3156

■ 78.8266, 0.3065,
0.3156

■ 63.5294, 0.2936,
0.2884

■ 96.3121, 0.3177,
0.3399

■ 50.3239, 0.2788,
0.2585

■ 99.1300, 0.3209,
0.3425

■ 39.1213, 0.2623,
0.2264

■ 29.8224, 0.2444,
0.1929

■ 22.3194, 0.2258,
0.1597

■ 16.4937, 0.2073,
0.1288

■ 12.2118, 0.1902,
0.1024

■ 9.3194, 0.1757,
0.0824

■ 7.6282, 0.1646,
0.0698

Harmonies

Analogous

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



78.8266, 0.3002, 0.3161



78.8266, 0.3065, 0.3156



78.8266, 0.3145, 0.3186

Triad

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



78.8266, 0.3065, 0.3156



78.8266, 0.3284, 0.3378



78.8266, 0.3034, 0.3338

Complementary

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



78.8266, 0.3065, 0.3156



86.7000, 0.3187, 0.3422

Split Complementary

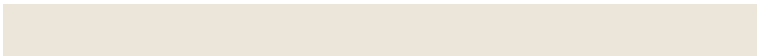
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8266, 0.3108, 0.3398



78.8266, 0.3065, 0.3156



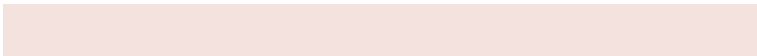
78.8266, 0.3253, 0.3420

Square

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



78.8266, 0.3065, 0.3156



78.8266, 0.3272, 0.3313



78.8266, 0.3188, 0.3428



78.8266, 0.2985, 0.3265

Rectangle

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



78.8266, 0.3065, 0.3156



78.8266, 0.3197, 0.3222



78.8266, 0.3188, 0.3428



78.8266, 0.3057, 0.3360

Sweetspot

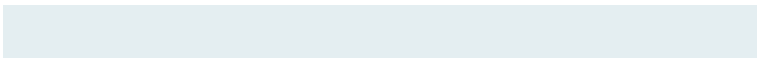
The Sweet Spot groups the original color and five complimentary colors.



78.8300, 0.3065, 0.3156



96.0450, 0.3105, 0.3241



84.1028, 0.3044, 0.3261



20.5990, 0.3106, 0.3243



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.



78.8300, 0.3065, 0.3156



88.4377, 0.3057, 0.3139



79.9136, 0.3108, 0.3158



16.3547, 0.3050, 0.3124



3.9134, 0.1619, 0.0665



0.3683, 0.1742, 0.0733

Inverse Universe

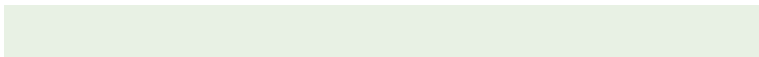
The Inverse Universe completely reimagines the original color for something new.



80.3818, 0.3152, 0.3188



90.4061, 0.3155, 0.3176



85.6116, 0.3145, 0.3424



16.7595, 0.3158, 0.3164



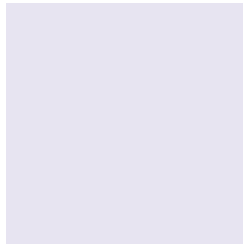
12.1150, 0.3867, 0.1904



1.0225, 0.3763, 0.1847

Previews

White Background



This preview shows how the Yxy color 78.8266, 0.3065, 0.3156 looks on a white background.

Color Contrast Check

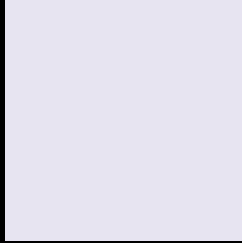
Large Text (above 18pt) WCAG AA × Fail

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 78.8266, 0.3065, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

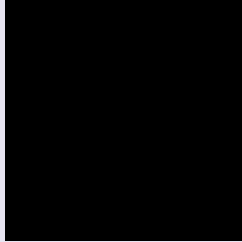
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

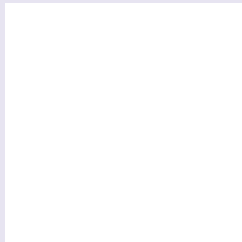
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8266, 0.3065, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 78.8266, 0.3065, 0.3156.

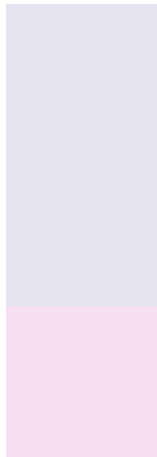


This preview shows how white text looks on a background with the Yxy color 78.8266, 0.3065, 0.3156.

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

78.8266, 0.3065, 0.3156

Protanopia

78.6607, 0.3059, 0.3155

Deuteranopia

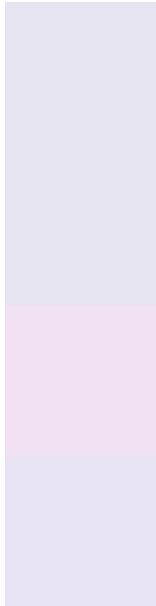
78.7790, 0.3164, 0.3099



Tritanopia

78.6865, 0.3047, 0.3105

Trichromacy



Original Color

78.8266, 0.3065, 0.3156

Protanomaly

78.6607, 0.3059, 0.3155

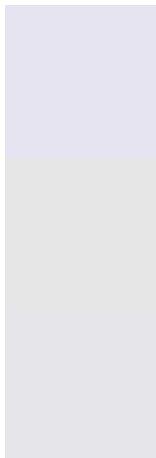
Deuteranomaly

78.9620, 0.3128, 0.3118

Tritanomaly

78.6256, 0.3054, 0.3115

Monochromacy



Original Color

78.8266, 0.3065, 0.3156

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.8021, 0.3102, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8266, 0.3065, 0.3156 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 241) }
```

Border

The CSS property to change the border of an element to Yxy 78.8266, 0.3065, 0.3156 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, 241) }
```

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

```
.border{ border-color:rgb(231, 228, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 241);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8266, 0.3065, 0.3156 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, 241) }
```

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

```
.background{ background-color: rgb(231,  
228, 241) }
```

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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