

Converting Colors

$Y_{xy}(78.8225, 0.3038, 0.3042)$

Have a look what the booklet for
Yxy(78.8225, 0.3038, 0.3042)
contains.

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Color

Yxy(78.9570, 0.3037, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	EBE2FA
RGB	235, 226, 250
RGB Percent	92%, 89%, 98%
CMY	0.0782, 0.1138, 0.0196
CMYK	0.06, 0.10, 0.00, 0.02
HSL	263°, 71%, 93%
HSV	263°, 10%, 98%
XYZ	78.7237, 78.9570, 101.5347
YIQ	231.4270, -2.3400, 9.3720

Conversions

Conversions Part 2

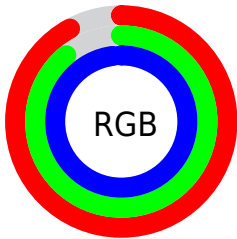
Format	Color
R _Y B	235, 226, 250
Decimal	15459066
CIE Lab	91.21, 7.43, -10.54
CIE LCh	91, 12.897, 305.170
Yxy	78.9570, 0.3037, 0.3046
Android (android.graphics.Color)	4293649146 (0xFFEBE2FA)
YUV	231.4270, 9.1565, 3.1335
Hunter-Lab	88.8578, 2.6414, -5.5482

Details

The Yxy color **78.9570, 0.3037, 0.3046** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.5551, 0.3211, 0.3531**, and the grayscale version is **80.1838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6046, 0.3010, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **63.8051, 0.2928, 0.2768**, and if you desaturate by 10%, it is **96.3299, 0.3131, 0.3300**.

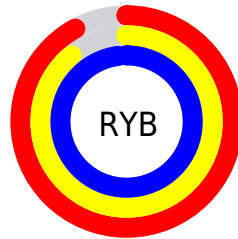
Distribution



Red (92%)

Green (89%)

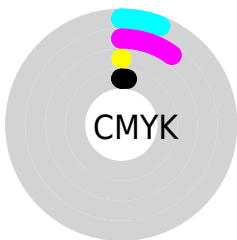
Blue (98%)



Red (92%)

Yellow (89%)

Blue (98%)

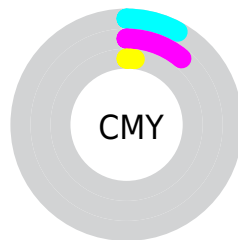


Cyan (6%)

Magenta (10%)

Yellow (0%)

Black (2%)



Cyan (8%)


Magenta (11%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9570, 0.3037, 0.3046 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 78.9570, 0.3037, 0.3046 by changing the saturation by 10% instead.

 78.9570, 0.3037,
0.3046

 78.9570, 0.3037,
0.3046


491.4109, 0.3079,
0.3156

 58.8605, 0.3028,
0.3022


131.8983, 0.3051,
0.3083

 42.5008, 0.3016,
0.2992


165.5119, 0.3057,
0.3098

 29.4936, 0.3001,
0.2955


204.3999, 0.3062,
0.3111

 19.4546, 0.2982,
0.2908

248.9468, 0.3066,
0.3122

 11.9992, 0.2955,
0.2845

299.5370, 0.3070,
0.3132

 6.7431, 0.2918,
0.2757

356.5548, 0.3073,

 3.3020, 0.2860,

0.3141

0.2627

420.3846, 0.3076,
0.3149

■ 1.2913, 0.2758,
0.2414

■ 0.1345, 0.2330,
0.1013

■ 78.9570, 0.3037,
0.3046

■ 78.9570, 0.3037,
0.3046

■ 63.8051, 0.2928,
0.2768

■ 96.3299, 0.3131,
0.3300

■ 50.7728, 0.2804,
0.2469

■ 99.6823, 0.3156,
0.3338

■ 39.7657, 0.2664,
0.2156

■ 30.6781, 0.2513,
0.1840

■ 23.3944, 0.2354,
0.1536

■ 17.7863, 0.2194,
0.1262

■ 13.7077, 0.2043,
0.1035

■ 10.9857, 0.1908,
0.0869

■ 9.3511, 0.1795,
0.0764

Harmonies

Analogous

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



78.9570, 0.2911, 0.3040



78.9570, 0.3037, 0.3046



78.9570, 0.3190, 0.3113

Triad

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



78.9570, 0.3037, 0.3046



78.9570, 0.3419, 0.3473



78.9570, 0.2928, 0.3352

Complementary

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



78.9570, 0.3037, 0.3046



92.5551, 0.3211, 0.3531

Split Complementary

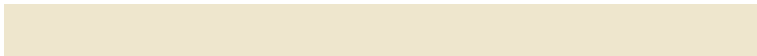
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9570, 0.3060, 0.3477



78.9570, 0.3037, 0.3046



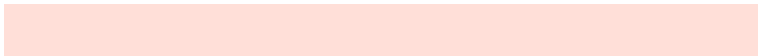
78.9570, 0.3344, 0.3545

Square

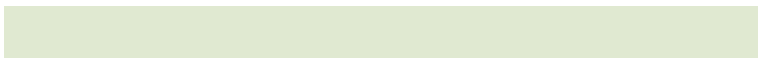
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9570, 0.3037, 0.3046



78.9570, 0.3413, 0.3356



78.9570, 0.3212, 0.3548



78.9570, 0.2850, 0.3213

Rectangle

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



78.9570, 0.3037, 0.3046



78.9570, 0.3286, 0.3185



78.9570, 0.3212, 0.3548



78.9570, 0.2967, 0.3398

Sweetspot

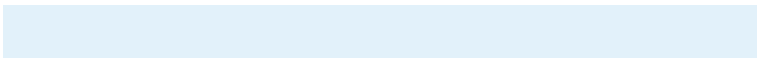
The Sweet Spot groups the original color and five complimentary colors.



78.9604, 0.3037, 0.3046



94.3232, 0.3100, 0.3216



86.0979, 0.2978, 0.3200



19.8721, 0.3093, 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.



78.9604, 0.3037, 0.3046



78.5691, 0.3012, 0.2981



81.0283, 0.3116, 0.3052



16.9619, 0.3038, 0.3049



5.0068, 0.1807, 0.0769



0.5222, 0.1938, 0.0841

Inverse Universe

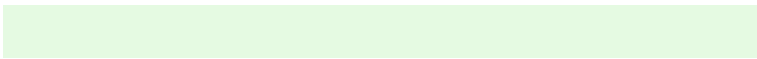
The Inverse Universe completely reimagines the original color for something new.



81.0602, 0.3197, 0.3142



81.2855, 0.3216, 0.3103



90.5533, 0.3136, 0.3537



17.4071, 0.3196, 0.3143



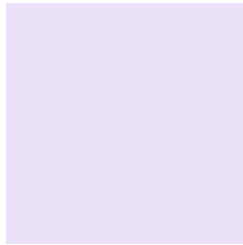
12.0775, 0.4449, 0.2225



1.1392, 0.4261, 0.2121

Previews

White Background



This preview shows how the Yxy color 78.9570, 0.3037, 0.3046 looks on a white background.

Color Contrast Check

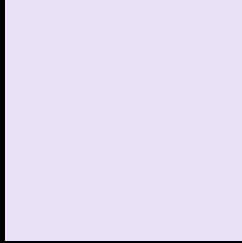
Large Text (above 18pt) WCAG AA × Fail

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 78.9570, 0.3037, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

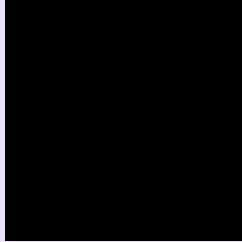
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

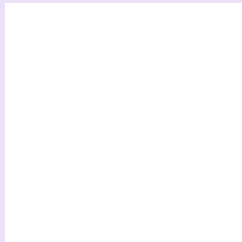
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9570, 0.3037, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 78.9570, 0.3037, 0.3046.

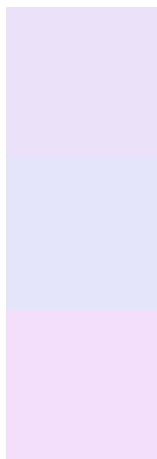


This preview shows how white text looks on a background with the Yxy color 78.9570, 0.3037, 0.3046.

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

78.9570, 0.3037, 0.3046

Protanopia

78.9458, 0.2984, 0.3054

Deuteranopia

78.7951, 0.3085, 0.3010



Tritanopia

79.0232, 0.3061, 0.3106

Trichromacy



Original Color

78.9570, 0.3037, 0.3046

Protanomaly

78.8921, 0.3004, 0.3045

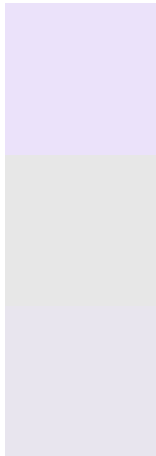
Deuteranomaly

78.8016, 0.3064, 0.3018

Tritanomaly

79.1460, 0.3048, 0.3086

Monochromacy



Original Color

78.9570, 0.3037, 0.3046

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.3675, 0.3091, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9570, 0.3037, 0.3046 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(235, 226, 250)` looks like.

```
.text, #text, p{  
    color:rgb(235, 226, 250)  
}
```

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(235, 226, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 226, 250) }
```

Border

The CSS property to change the border of an element to Yxy 78.9570, 0.3037, 0.3046 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(235, 226, 250) }
```

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

```
.border{ border-color:rgb(235, 226, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 226, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 226, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 226, 250);  
box-shadow:4px 4px 4px 4px rgb(235, 226,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9570, 0.3037, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 226, 250) }
```

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

```
.background{ background-color: rgb(235,  
226, 250) }
```

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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