

Converting Colors

$Y_{xy}(79.8509, 0.2856, 0.2731)$

Have a look what the booklet for
Yxy(79.8509, 0.2856, 0.2731)
contains.

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Color

Yxy(78.3642, 0.3013, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	ECE0FF
RGB	236, 224, 255
RGB Percent	93%, 88%, 100%
CMY	0.0743, 0.1216, 0.0000
CMYK	0.07, 0.12, 0.00, 0.00
HSL	263°, 100%, 94%
HSV	263°, 12%, 100%
XYZ	79.3118, 78.3642, 105.5561
YIQ	231.1220, -2.7990, 12.1850

Conversions

Conversions Part 2

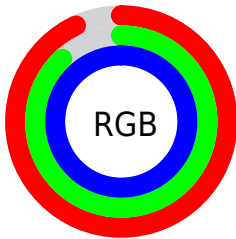
Format	Color
RYB	236, 224, 255
Decimal	15524095
CIELab	90.95, 9.75, -13.55
CIELCh	91, 16.698, 305.744
Yxy	78.3642, 0.3013, 0.2977
Android (android.graphics.Color)	4293714175 (0xFFECE0FF)
YUV	231.1220, 11.7719, 4.2780
Hunter-Lab	88.5236, 5.0091, -8.7313

Details

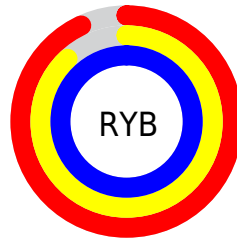
The Yxy color $78.3642, 0.3013, 0.2977$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.9433, 0.3232, 0.3599$, and the grayscale version is $79.9258, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.1564, 0.2987, 0.2914$ is the 20% darker color. If you saturate the color by 10%, you get $63.1223, 0.2902, 0.2694$, and if you desaturate by 10%, it is $95.9000, 0.3108, 0.3237$.

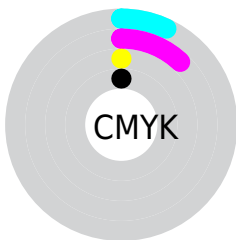
Distribution



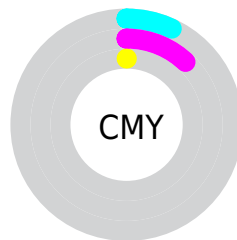
- Red (93%)
- Green (88%)
- Blue (100%)



- Red (93%)
- Yellow (88%)
- Blue (100%)



- Cyan (7%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3642, 0.3013, 0.2977 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 78.3642, 0.3013, 0.2977 by changing the saturation by 10% instead.

 78.3642, 0.3013,
0.2977

 78.3642, 0.3013,
0.2977


489.4028, 0.3066,
0.3117

 58.3732, 0.3001,
0.2946


131.0634, 0.3031,
0.3025

 42.1088, 0.2986,
0.2908

164.5404, 0.3039,
0.3044

 29.1865, 0.2967,
0.2862

203.2815, 0.3045,
0.3060

 19.2219, 0.2942,
0.2802

247.6712, 0.3050,
0.3074

 11.8307, 0.2909,
0.2722

298.0937, 0.3055,
0.3087

 6.6285, 0.2860,
0.2613

354.9336, 0.3059,

 3.2309, 0.2786,

0.3098

0.2452

418.5751, 0.3063,
0.3108

■ 1.2534, 0.2656,
0.2194

■ 0.1047, 0.2240,
0.0695

■ 78.3642, 0.3013,
0.2977

■ 78.3642, 0.3013,
0.2977

■ 63.1223, 0.2902,
0.2694

■ 95.9000, 0.3108,
0.3237

■ 50.0682, 0.2776,
0.2391

100.0000, 0.3127,
0.3290

■ 39.1006, 0.2636,
0.2077

■ 30.1066, 0.2484,
0.1764

■ 22.9624, 0.2327,
0.1467

■ 17.5293, 0.2170,
0.1205

■ 13.6485, 0.2024,
0.0995

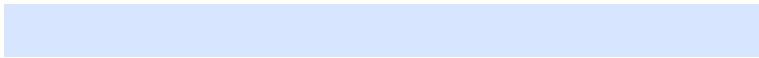
■ 11.1289, 0.1895,
0.0846

■ 9.8866, 0.1809,
0.0770

Harmonies

Analogous

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



78.3642, 0.2850, 0.2966



78.3642, 0.3013, 0.2977



78.3642, 0.3211, 0.3065

Triad

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



78.3642, 0.3013, 0.2977



78.3642, 0.3505, 0.3528



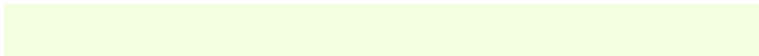
78.3642, 0.2866, 0.3367

Complementary

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



78.3642, 0.3013, 0.2977



95.9433, 0.3232, 0.3599

Split Complementary

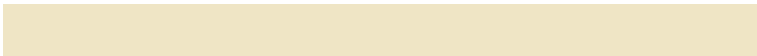
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3642, 0.3035, 0.3532



78.3642, 0.3013, 0.2977



78.3642, 0.3406, 0.3623

Square

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



78.3642, 0.3013, 0.2977



78.3642, 0.3501, 0.3376



78.3642, 0.3233, 0.3627



78.3642, 0.2768, 0.3185

Rectangle

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



78.3642, 0.3013, 0.2977



78.3642, 0.3337, 0.3156



78.3642, 0.3233, 0.3627



78.3642, 0.2917, 0.3427

Sweetspot

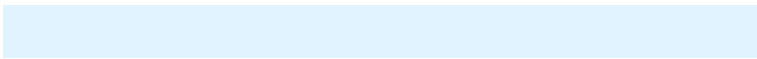
The Sweet Spot groups the original color and five complimentary colors.



78.3672, 0.3013, 0.2977



92.5013, 0.3092, 0.3191



87.2334, 0.2938, 0.3169



19.5063, 0.3085, 0.3172



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.



78.3672, 0.3013, 0.2977



73.8120, 0.2983, 0.2899



81.1047, 0.3117, 0.2987



17.7224, 0.3040, 0.3049



5.2458, 0.1825, 0.0779



0.5716, 0.1950, 0.0848

Inverse Universe

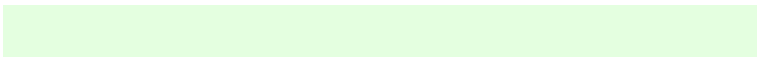
The Inverse Universe completely reimagines the original color for something new.



81.0313, 0.3220, 0.3104



77.0549, 0.3245, 0.3059



93.3307, 0.3135, 0.3608



18.1735, 0.3198, 0.3146



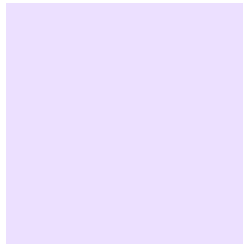
12.3888, 0.4500, 0.2253



1.2277, 0.4312, 0.2149

Previews

White Background



This preview shows how the Yxy color 78.3642, 0.3013, 0.2977 looks on a white background.

Color Contrast Check

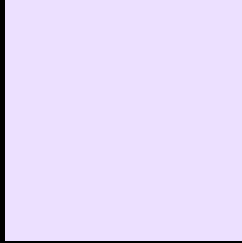
Large Text (above 18pt) WCAG AA × Fail

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 78.3642, 0.3013, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

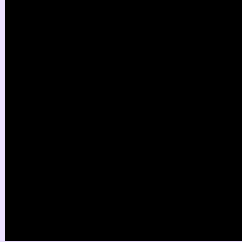
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

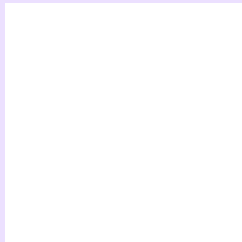
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3642, 0.3013, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 78.3642, 0.3013, 0.2977.

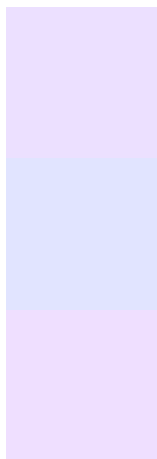


This preview shows how white text looks on a background with the Yxy color 78.3642, 0.3013, 0.2977.

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

78.3642, 0.3013, 0.2977

Protanopia

78.7144, 0.2941, 0.3012

Deuteranopia

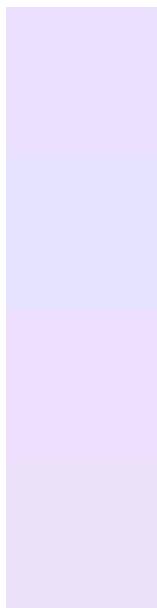
78.3461, 0.3033, 0.2969



Tritanopia

78.4168, 0.3067, 0.3105

Trichromacy



Original Color

78.3642, 0.3013, 0.2977

Protanomaly

78.8162, 0.2967, 0.3004

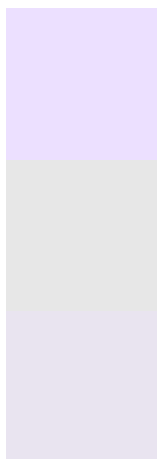
Deuteranomaly

78.1725, 0.3026, 0.2968

Tritanomaly

78.2899, 0.3049, 0.3056

Monochromacy



Original Color

78.3642, 0.3013, 0.2977

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.1017, 0.3085, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3642, 0.3013, 0.2977 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(236, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 224, 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(236, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.3642, 0.3013, 0.2977 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(236, 224, 255) }
```

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

```
.border{ border-color:rgb(236, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3642, 0.3013, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 224, 255) }
```

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

```
.background{ background-color: rgb(236,  
224, 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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