

Converting Colors

$Y_{xy}(73.3250, 0.3016, 0.2876)$

Have a look what the booklet for
Yxy(73.3250, 0.3016, 0.2876)
contains.

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Color

Yxy(73.1460, 0.3013, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	ECD6FF
RGB	236, 214, 255
RGB Percent	93%, 84%, 100%
CMY	0.0746, 0.1607, 0.0000
CMYK	0.07, 0.16, 0.00, 0.00
HSL	272°, 100%, 92%
HSV	272°, 16%, 100%
XYZ	76.6837, 73.1460, 104.6797
YIQ	225.2520, -0.0490, 17.4150

Conversions

Conversions Part 2

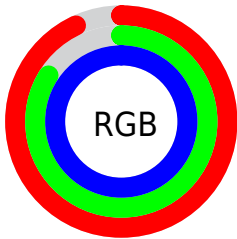
Format	Color
R _Y B	236, 214, 255
Decimal	15521535
CIE Lab	88.52, 14.96, -17.19
CIE LCh	89, 22.791, 311.040
Yxy	73.1460, 0.3013, 0.2874
Android (android.graphics.Color)	4293711615 (0xFFECD6FF)
YUV	225.2520, 14.6658, 9.4260
Hunter-Lab	85.5254, 10.3769, -12.7008

Details

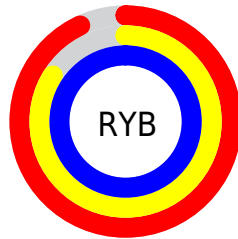
The Yxy color **73.1460, 0.3013, 0.2874** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.7001, 0.3226, 0.3709**, and the grayscale version is **75.3789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5768, 0.2986, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **59.2778, 0.2926, 0.2592**, and if you desaturate by 10%, it is **89.1749, 0.3088, 0.3139**.

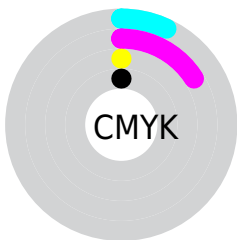
Distribution



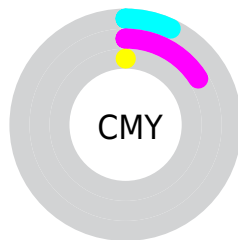
- Red (93%)
- Green (84%)
- Blue (100%)



- Red (93%)
- Yellow (84%)
- Blue (100%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1460, 0.3013, 0.2874 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 73.1460, 0.3013, 0.2874 by changing the saturation by 10% instead.

 73.1460, 0.3013,
0.2874

 73.1460, 0.3013,
0.2874

471.5207, 0.3068,
0.3061

 54.0954, 0.3000,
0.2833


123.6845, 0.3032,
0.2938

 38.6779, 0.2984,
0.2782


155.9411, 0.3040,
0.2963

 26.5092, 0.2964,
0.2720


193.3684, 0.3046,
0.2984

 17.2050, 0.2936,
0.2640

236.3510, 0.3051,
0.3003

 10.3808, 0.2899,
0.2534

285.2731, 0.3056,
0.3020

 5.6521, 0.2844,
0.2388

340.5191, 0.3061,

 2.6347, 0.2756,

0.3035

0.2175

402.4735, 0.3064,
0.3049

0.9442, 0.2597,
0.1837

0.0000, 0.1697,
0.0000

73.1460, 0.3013,
0.2874

73.1460, 0.3013,
0.2874

59.2778, 0.2926,
0.2592

89.1749, 0.3088,
0.3139

47.4646, 0.2827,
0.2298

99.9997, 0.3127,
0.3290

37.6057, 0.2717,
0.2002

29.5880, 0.2597,
0.1717

■ 23.2865, 0.2472,
0.1457

■ 18.5598, 0.2347,
0.1236

■ 15.2429, 0.2227,
0.1066

■ 13.1315, 0.2117,
0.0952

■ 12.5140, 0.2077,
0.0918

Harmonies

Analogous

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



73.1460, 0.2775, 0.2837



73.1460, 0.3013, 0.2874



73.1460, 0.3292, 0.3010

Triad

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



73.1460, 0.3013, 0.2874



73.1460, 0.3641, 0.3648



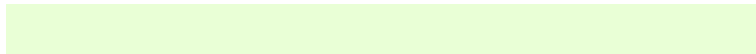
73.1460, 0.2732, 0.3349

Complementary

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



73.1460, 0.3013, 0.2874



93.7001, 0.3226, 0.3709

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.



73.1460, 0.2951, 0.3596



73.1460, 0.3013, 0.2874



73.1460, 0.3477, 0.3767

Square

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



73.1460, 0.3013, 0.2874



73.1460, 0.3663, 0.3445



73.1460, 0.3223, 0.3753



73.1460, 0.2619, 0.3097

Rectangle

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



73.1460, 0.3013, 0.2874



73.1460, 0.3462, 0.3141



73.1460, 0.3223, 0.3753



73.1460, 0.2795, 0.3437

Sweetspot

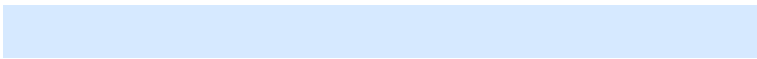
The Sweet Spot groups the original color and five complimentary colors.



73.1491, 0.3013, 0.2874



91.0287, 0.3095, 0.3166



79.8733, 0.2873, 0.3061



19.2237, 0.3090, 0.3148



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.



73.1491, 0.3013, 0.2874



68.8719, 0.2989, 0.2793



76.4903, 0.3155, 0.2903



17.8573, 0.3063, 0.3050



6.6289, 0.2093, 0.0927



0.7105, 0.2212, 0.0992

Inverse Universe

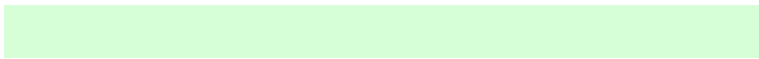
The Inverse Universe completely reimagines the original color for something new.



75.2427, 0.3297, 0.3101



71.3264, 0.3334, 0.3065



90.7408, 0.3099, 0.3710



18.1273, 0.3221, 0.3180



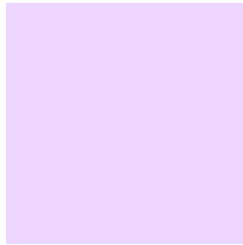
11.8253, 0.5118, 0.2593



1.1732, 0.4844, 0.2442

Previews

White Background



This preview shows how the Yxy color 73.1460, 0.3013, 0.2874 looks on a white background.

Color Contrast Check

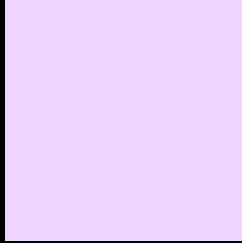
Large Text (above 18pt) WCAG AA × Fail

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 73.1460, 0.3013, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

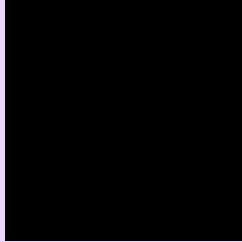
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

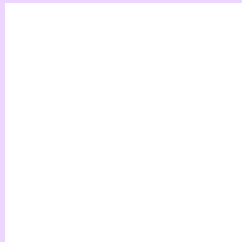
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.1460, 0.3013, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 73.1460, 0.3013, 0.2874.

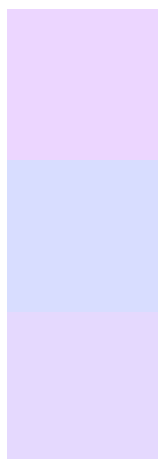


This preview shows how white text looks on a background with the Yxy color 73.1460, 0.3013, 0.2874.

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

73.1460, 0.3013, 0.2874

Protanopia

73.5318, 0.2880, 0.2932

Deuteranopia

73.4395, 0.2972, 0.2909



Tritanopia

73.4646, 0.3121, 0.3113

Trichromacy



Original Color

73.1460, 0.3013, 0.2874

Protanomaly

73.0508, 0.2925, 0.2905

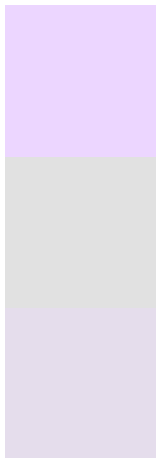
Deuteranomaly

73.4233, 0.2992, 0.2901

Tritanomaly

73.5289, 0.3083, 0.3031

Monochromacy



Original Color

73.1460, 0.3013, 0.2874

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

74.4270, 0.3085, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1460, 0.3013, 0.2874 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, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 214, 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, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.1460, 0.3013, 0.2874 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, 214, 255) }
```

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

```
.border{ border-color:rgb(236, 214, 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, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 214, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 214, 255); box-shadow:4px 4px 4px 4px rgb(236, 214, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1460, 0.3013, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 214, 255) }
```

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

```
.background{ background-color: rgb(236,  
214, 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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