

Converting Colors

$Y_{xy}(70.0064, 0.3004, 0.2797)$

Have a look what the booklet for
Yxy(70.0064, 0.3004, 0.2797)
contains.

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Color

Yxy(70.1646, 0.3013, 0.2812)

Conversions

Conversions Part 1

Format	Color
Hex	ECD0FF
RGB	236, 208, 255
RGB Percent	93%, 82%, 100%
CMY	0.0748, 0.1842, 0.0001
CMYK	0.07, 0.18, 0.00, 0.00
HSL	276°, 100%, 91%
HSV	276°, 18%, 100%
XYZ	75.1799, 70.1646, 104.1740
YIQ	221.7300, 1.6010, 20.5530

Conversions

Conversions Part 2

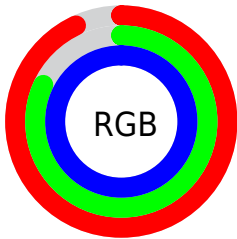
Format	Color
R _Y B	236, 208, 255
Decimal	15519999
CIE Lab	87.08, 18.11, -19.35
CIE LCh	87, 26.504, 313.094
Yxy	70.1646, 0.3013, 0.2812
Android (android.graphics.Color)	4293710079 (0xFFECD0FF)
YUV	221.7300, 16.4021, 12.5148
Hunter-Lab	83.7643, 13.6193, -15.1013

Details

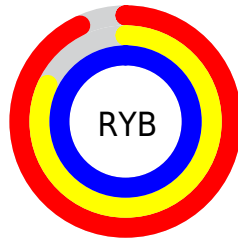
The Yxy color $70.1646, 0.3013, 0.2812$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $92.4087, 0.3223, 0.3777$, and the grayscale version is $72.7251, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.8917, 0.2986, 0.2715$ is the 20% darker color. If you saturate the color by 10%, you get $56.9963, 0.2936, 0.2531$, and if you desaturate by 10%, it is $85.4401, 0.3079, 0.3079$.

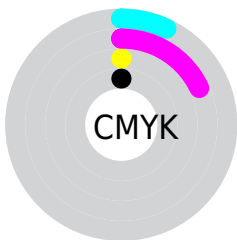
Distribution



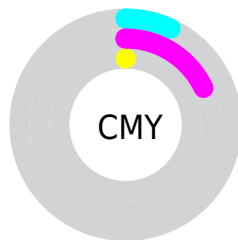
- Red (93%)
- Green (82%)
- Blue (100%)



- Red (93%)
- Yellow (82%)
- Blue (100%)



- Cyan (7%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1646, 0.3013, 0.2812 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 70.1646, 0.3013, 0.2812 by changing the saturation by 10% instead.

 70.1646, 0.3013,
0.2812

 70.1646, 0.3013,
0.2812


461.1277, 0.3069,
0.3027

 51.6607, 0.3000,
0.2765

119.4435, 0.3033,
0.2885

 36.7347, 0.2983,
0.2707


150.9872, 0.3040,
0.2914

 25.0022, 0.2961,
0.2635


187.6464, 0.3047,
0.2939

 16.0787, 0.2932,
0.2543

229.8055, 0.3052,
0.2961

 9.5798, 0.2892,
0.2421

277.8487, 0.3057,
0.2980

 5.1213, 0.2832,
0.2253

332.1606, 0.3062,

 2.3186, 0.2734,

0.2998

0.2009

393.1255, 0.3065,
0.3013

0.7835, 0.2556,
0.1620

0.0000, 0.1184,
0.0000

70.1646, 0.3013,
0.2812

70.1646, 0.3013,
0.2812

56.9963, 0.2936,
0.2531

85.4401, 0.3079,
0.3079

45.8294, 0.2848,
0.2242

99.9990, 0.3127,
0.3290

36.5618, 0.2750,
0.1956

29.0789, 0.2644,
0.1686

■ 23.2533, 0.2533,
0.1445

■ 18.9400, 0.2422,
0.1245

■ 15.9678, 0.2316,
0.1097

■ 14.0979, 0.2217,
0.1000

■ 13.8514, 0.2202,
0.0987

Harmonies

Analogous

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



70.1646, 0.2730, 0.2759



70.1646, 0.3013, 0.2812



70.1646, 0.3342, 0.2977

Triad

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



70.1646, 0.3013, 0.2812



70.1646, 0.3725, 0.3722



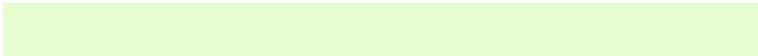
70.1646, 0.2650, 0.3336

Complementary

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



70.1646, 0.3013, 0.2812



92.4087, 0.3223, 0.3777

Split Complementary

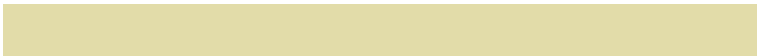
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.1646, 0.2898, 0.3636



70.1646, 0.3013, 0.2812



70.1646, 0.3520, 0.3857

Square

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



70.1646, 0.3013, 0.2812



70.1646, 0.3765, 0.3486



70.1646, 0.3215, 0.3832



70.1646, 0.2529, 0.3041

Rectangle

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



70.1646, 0.3013, 0.2812



70.1646, 0.3541, 0.3131



70.1646, 0.3215, 0.3832



70.1646, 0.2720, 0.3441

Sweetspot

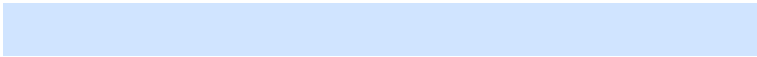
The Sweet Spot groups the original color and five complimentary colors.



70.1676, 0.3013, 0.2812



89.4655, 0.3094, 0.3141



75.8970, 0.2833, 0.2999



18.9142, 0.3090, 0.3125



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.



70.1676, 0.3013, 0.2812



65.2175, 0.2987, 0.2712



73.3529, 0.3175, 0.2868



17.9115, 0.3073, 0.3051



7.3281, 0.2217, 0.0995



0.7773, 0.2327, 0.1056

Inverse Universe

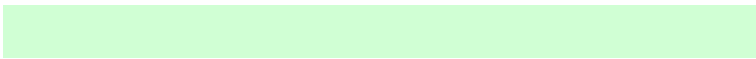
The Inverse Universe completely reimagines the original color for something new.



71.9336, 0.3346, 0.3099



67.3163, 0.3399, 0.3060



89.6747, 0.3082, 0.3752



18.1092, 0.3230, 0.3194



11.6528, 0.5361, 0.2727



1.1556, 0.5062, 0.2562

Previews

White Background



This preview shows how the Yxy color 70.1646, 0.3013, 0.2812 looks on a white background.

Color Contrast Check

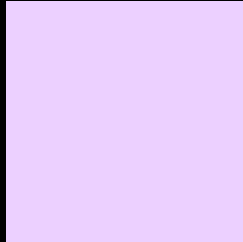
Large Text (above 18pt) WCAG AA × Fail

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 70.1646, 0.3013, 0.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

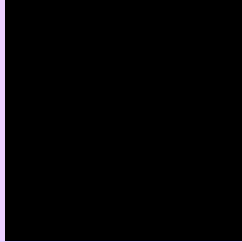
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

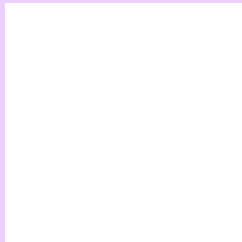
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1646, 0.3013, 0.2812

Background



This preview shows how black text looks on a background with the Yxy color 70.1646, 0.3013, 0.2812.

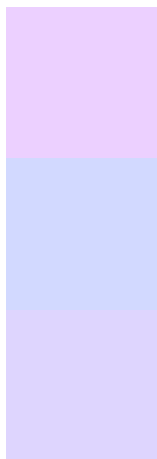


This preview shows how white text looks on a background with the Yxy color 70.1646, 0.3013, 0.2812.

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

70.1646, 0.3013, 0.2812

Protanopia

70.5473, 0.2840, 0.2885

Deuteranopia

70.2739, 0.2923, 0.2861



Tritanopia

70.4014, 0.3157, 0.3121

Trichromacy



Original Color

70.1646, 0.3013, 0.2812

Protanomaly

70.3732, 0.2897, 0.2859

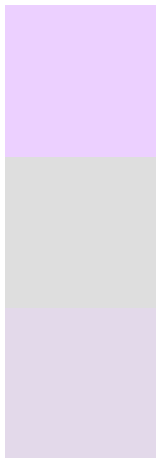
Deuteranomaly

70.0752, 0.2957, 0.2844

Tritanomaly

70.0852, 0.3104, 0.3008

Monochromacy



Original Color

70.1646, 0.3013, 0.2812

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.8971, 0.3086, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1646, 0.3013, 0.2812 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, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 208, 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, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.1646, 0.3013, 0.2812 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, 208, 255) }
```

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

```
.border{ border-color:rgb(236, 208, 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, 208, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 208,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1646, 0.3013, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 208, 255) }
```

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

```
.background{ background-color: rgb(236,  
208, 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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