

Converting Colors

Yxy(66.8774, 0.3022, 0.2737)

Have a look what the booklet for
Yxy(66.8774, 0.3022, 0.2737)
contains.

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Color

Yxy(66.9978, 0.3021, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	EDC9FF
RGB	237, 201, 255
RGB Percent	93%, 79%, 100%
CMY	0.0705, 0.2118, 0.0000
CMYK	0.07, 0.21, 0.00, 0.00
HSL	280°, 100%, 89%
HSV	280°, 21%, 100%
XYZ	73.8687, 66.9978, 103.6510
YIQ	217.9200, 4.1220, 24.4260

Conversions

Conversions Part 2

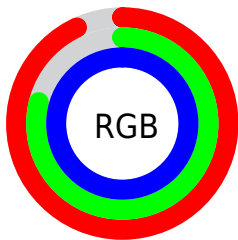
Format	Color
R _Y B	237, 201, 255
Decimal	15583743
CIE _{Lab}	85.50, 22.19, -21.74
CIE _{LCh}	86, 31.065, 315.589
Y _{xy}	66.9978, 0.3021, 0.2740
Android (android.graphics.Color)	4293773823 (0xFFEDC9FF)
YUV	217.9200, 18.2804, 16.7332
Hunter-Lab	81.8522, 17.8487, -17.7835

Details

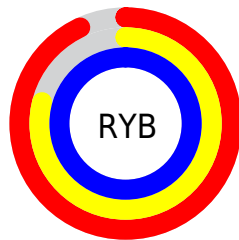
The Yxy color $66.9978, 0.3021, 0.2740$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $90.7918, 0.3212, 0.3862$, and the grayscale version is $69.9256, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.7684, 0.2995, 0.2624$ is the 20% darker color. If you saturate the color by 10%, you get $54.6556, 0.2957, 0.2462$, and if you desaturate by 10%, it is $81.3873, 0.3076, 0.3008$.

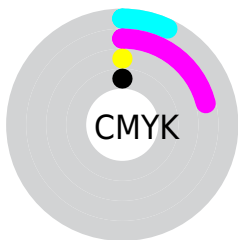
Distribution



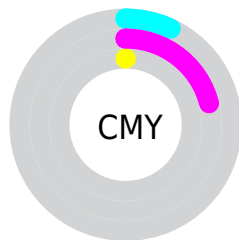
- Red (93%)
- Green (79%)
- Blue (100%)



- Red (93%)
- Yellow (79%)
- Blue (100%)



- Cyan (7%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9978, 0.3021, 0.2740 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 66.9978, 0.3021, 0.2740 by changing the saturation by 10% instead.


 66.9978, 0.3021,
0.2740

 66.9978, 0.3021,
0.2740


449.9369, 0.3074,
0.2987

 49.0828, 0.3008,
0.2685


114.9173, 0.3040,
0.2824

 34.6852, 0.2991,
0.2619


145.6905, 0.3048,
0.2858

 23.4205, 0.2969,
0.2536


181.5187, 0.3054,
0.2886

 14.9043, 0.2940,
0.2430

222.7862, 0.3059,
0.2912

 8.7522, 0.2898,
0.2291

269.8774, 0.3064,
0.2934

 4.5799, 0.2834,
0.2099

323.1766, 0.3068,

 2.0030, 0.2728,

0.2954

0.1823

383.0683, 0.3071,
0.2971

0.6092, 0.2544,
0.1345

0.0000, 0.0655,
0.0000

66.9978, 0.3021,
0.2740

66.9978, 0.3021,
0.2740

54.6556, 0.2957,
0.2462

81.3873, 0.3076,
0.3008

44.2553, 0.2884,
0.2182

97.9085, 0.3122,
0.3261

35.6928, 0.2803,
0.1911

100.0000, 0.3127,
0.3290

28.8509, 0.2715,
0.1661

■ 23.5988, 0.2624,
0.1445

■ 19.7864, 0.2532,
0.1272

■ 17.2335, 0.2444,
0.1150

■ 15.7814, 0.2369,
0.1079

Harmonies

Analogous

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



66.9978, 0.2679, 0.2664



66.9978, 0.3021, 0.2740



66.9978, 0.3413, 0.2941

Triad

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



66.9978, 0.3021, 0.2740



66.9978, 0.3823, 0.3817



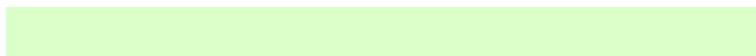
66.9978, 0.2544, 0.3310

Complementary

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



66.9978, 0.3021, 0.2740



90.7918, 0.3212, 0.3862

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.



66.9978, 0.2824, 0.3679



66.9978, 0.3021, 0.2740



66.9978, 0.3563, 0.3972

Square

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



66.9978, 0.3021, 0.2740



66.9978, 0.3892, 0.3541



66.9978, 0.3195, 0.3930



66.9978, 0.2418, 0.2964

Rectangle

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



66.9978, 0.3021, 0.2740



66.9978, 0.3646, 0.3125



66.9978, 0.3195, 0.3930



66.9978, 0.2622, 0.3437

Sweetspot

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



67.0002, 0.3021, 0.2740



89.6707, 0.3101, 0.3142



70.2981, 0.2783, 0.2900



18.9628, 0.3098, 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.



67.0002, 0.3021, 0.2740



62.0467, 0.2998, 0.2635



69.6847, 0.3216, 0.2845



17.9798, 0.3084, 0.3052



8.3311, 0.2383, 0.1086



0.8709, 0.2478, 0.1139

Inverse Universe

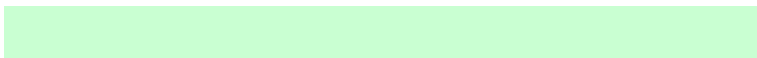
The Inverse Universe completely reimagines the original color for something new.



68.1437, 0.3417, 0.3108



63.4077, 0.3483, 0.3073



88.5897, 0.3050, 0.3780



18.0868, 0.3242, 0.3211



11.4750, 0.5649, 0.2885



1.1366, 0.5331, 0.2710

Previews

White Background



This preview shows how the Yxy color 66.9978, 0.3021, 0.2740 looks on a white background.

Color Contrast Check

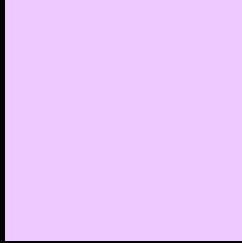
Large Text (above 18pt) WCAG AA × Fail

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 66.9978, 0.3021, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

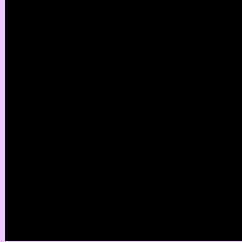
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

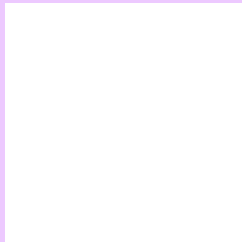
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.9978, 0.3021, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 66.9978, 0.3021, 0.2740.

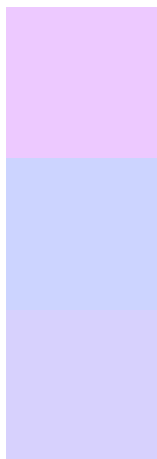


This preview shows how white text looks on a background with the Yxy color 66.9978, 0.3021, 0.2740.

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

66.9978, 0.3021, 0.2740

Protanopia

67.1443, 0.2797, 0.2825

Deuteranopia

67.1399, 0.2881, 0.2821



Tritanopia

67.1092, 0.3203, 0.3119

Trichromacy



Original Color

66.9978, 0.3021, 0.2740

Protanomaly

66.9307, 0.2875, 0.2792

Deuteranomaly

66.9863, 0.2929, 0.2787

Tritanomaly

67.1532, 0.3134, 0.2975

Monochromacy



Original Color

66.9978, 0.3021, 0.2740

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.8640, 0.3093, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9978, 0.3021, 0.2740 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(237, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 201, 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(237, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.9978, 0.3021, 0.2740 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(237, 201, 255) }
```

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

```
.border{ border-color:rgb(237, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9978, 0.3021, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 201, 255) }
```

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

```
.background{ background-color: rgb(237,  
201, 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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