

Converting Colors

$Y_{xy}(69.1752, 0.3030, 0.2812)$

Have a look what the booklet for
Yxy(69.1752, 0.3030, 0.2812)
contains.

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Color

Yxy(69.0673, 0.3027, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	ECCEFD
RGB	236, 206, 253
RGB Percent	93%, 81%, 99%
CMY	0.0743, 0.1922, 0.0079
CMYK	0.07, 0.19, 0.00, 0.01
HSL	278°, 92%, 90%
HSV	278°, 19%, 99%
XYZ	74.4010, 69.0673, 102.3228
YIQ	220.3280, 2.7930, 20.9770

Conversions

Conversions Part 2

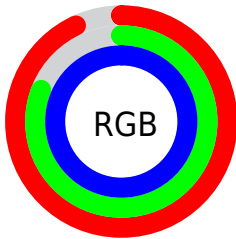
Format	Color
R _Y B	236, 206, 253
Decimal	15519485
CIE Lab	86.54, 18.83, -19.11
CIE LCh	87, 26.831, 314.580
Yxy	69.0673, 0.3027, 0.2810
Android (android.graphics.Color)	4293709565 (0xFFECCEFD)
YUV	220.3280, 16.1073, 13.7443
Hunter-Lab	83.1067, 14.3646, -14.8244

Details

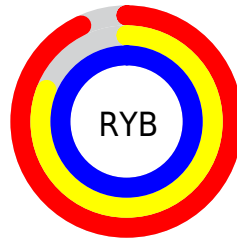
The Yxy color **69.0673, 0.3027, 0.2810** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.3725, 0.3210, 0.3784**, and the grayscale version is **71.6993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1453, 0.3003, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **56.3330, 0.2959, 0.2532**, and if you desaturate by 10%, it is **83.8474, 0.3085, 0.3076**.

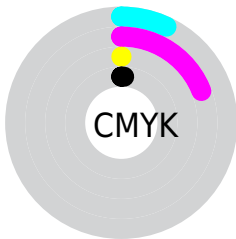
Distribution



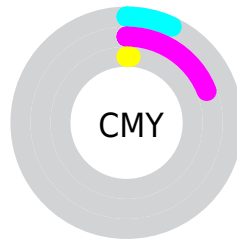
- Red (93%)
- Green (81%)
- Blue (99%)



- Red (93%)
- Yellow (81%)
- Blue (99%)



- Cyan (7%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)



- Cyan (7%)
- Magenta (19%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0673, 0.3027, 0.2810 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 69.0673, 0.3027, 0.2810 by changing the saturation by 10% instead.

69.0673, 0.3027,
0.2810

69.0673, 0.3027,
0.2810

457.2683, 0.3077,
0.3026

50.7665, 0.3015,
0.2762

117.8777, 0.3045,
0.2884

36.0228, 0.3000,
0.2704

149.1561, 0.3051,
0.2913

24.4518, 0.2980,
0.2631

185.5292, 0.3057,
0.2938

15.6691, 0.2954,
0.2538

227.3813, 0.3062,
0.2960

9.2903, 0.2917,
0.2415

275.0969, 0.3066,
0.2979

4.9310, 0.2860,
0.2244

329.0603, 0.3070,

2.2069, 0.2768,

0.2997

0.1996

389.6560, 0.3074,
0.3012

0.7237, 0.2601,
0.1587

0.0000, 0.0941,
0.0000

69.0673, 0.3027,
0.2810

69.0673, 0.3027,
0.2810

56.3330, 0.2959,
0.2532

83.8474, 0.3085,
0.3076

45.5410, 0.2882,
0.2249

99.7349, 0.3134,
0.3309

36.5916, 0.2795,
0.1970

99.8707, 0.3139,
0.3309

29.3729, 0.2702,
0.1708

■ 23.7602, 0.2604,
0.1476

■ 19.6115, 0.2504,
0.1286

■ 16.7591, 0.2408,
0.1146

■ 14.9650, 0.2317,
0.1054

■ 14.7501, 0.2305,
0.1043

Harmonies

Analogous

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



69.0673, 0.2735, 0.2749



69.0673, 0.3027, 0.2810



69.0673, 0.3362, 0.2982

Triad

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



69.0673, 0.3027, 0.2810



69.0673, 0.3728, 0.3739



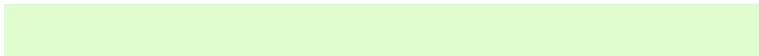
69.0673, 0.2632, 0.3321

Complementary

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



69.0673, 0.3027, 0.2810



90.3725, 0.3210, 0.3784

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.



69.0673, 0.2879, 0.3629



69.0673, 0.3027, 0.2810



69.0673, 0.3513, 0.3871

Square

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



69.0673, 0.3027, 0.2810



69.0673, 0.3779, 0.3502



69.0673, 0.3200, 0.3836



69.0673, 0.2517, 0.3023

Rectangle

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



69.0673, 0.3027, 0.2810



69.0673, 0.3561, 0.3141



69.0673, 0.3200, 0.3836



69.0673, 0.2702, 0.3428

Sweetspot

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



69.0702, 0.3027, 0.2810



89.5926, 0.3098, 0.3141



73.1057, 0.2829, 0.2971



18.9443, 0.3095, 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.



69.0702, 0.3027, 0.2810



65.6452, 0.3005, 0.2716



71.7164, 0.3192, 0.2886



17.9538, 0.3080, 0.3052



7.9328, 0.2319, 0.1051



0.8340, 0.2420, 0.1107

Inverse Universe

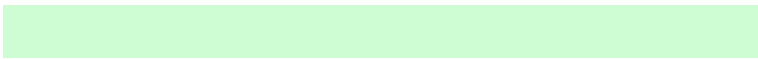
The Inverse Universe completely reimagines the original color for something new.



70.3425, 0.3364, 0.3118



67.1818, 0.3418, 0.3085



88.1268, 0.3068, 0.3730



18.0953, 0.3237, 0.3205



11.5377, 0.5542, 0.2827



1.1434, 0.5229, 0.2654

Previews

White Background



This preview shows how the Yxy color 69.0673, 0.3027, 0.2810 looks on a white background.

Color Contrast Check

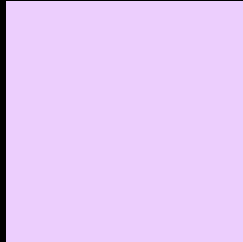
Large Text (above 18pt) WCAG AA × Fail

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 69.0673, 0.3027, 0.2810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

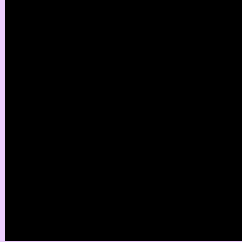
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0673, 0.3027, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 69.0673, 0.3027, 0.2810.

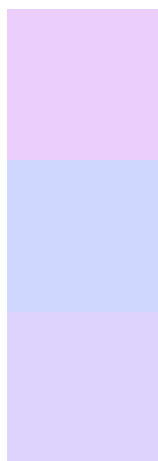


This preview shows how white text looks on a background with the Yxy color 69.0673, 0.3027, 0.2810.

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

69.0673, 0.3027, 0.2810

Protanopia

69.2308, 0.2825, 0.2861

Deuteranopia

68.9890, 0.2929, 0.2858



Tritanopia

69.2904, 0.3172, 0.3120

Trichromacy



Original Color

69.0673, 0.3027, 0.2810

Protanomaly

69.1482, 0.2896, 0.2847

Deuteranomaly

68.7980, 0.2963, 0.2841

Tritanomaly

68.9807, 0.3118, 0.3007

Monochromacy



Original Color

69.0673, 0.3027, 0.2810

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.5958, 0.3093, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0673, 0.3027, 0.2810 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, 206, 253)` looks like.

```
.text, #text, p{  
    color:rgb(236, 206, 253)  
}
```

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, 206, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 206, 253) }
```

Border

The CSS property to change the border of an element to Yxy 69.0673, 0.3027, 0.2810 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, 206, 253) }
```

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

```
.border{ border-color:rgb(236, 206, 253) }
```

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

Here you see how a box with a 4 pixel rgb(236, 206, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 206, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 206, 253);  
box-shadow:4px 4px 4px 4px rgb(236, 206,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0673, 0.3027, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 206, 253) }
```

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

```
.background{ background-color: rgb(236,  
206, 253) }
```

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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