

Converting Colors

$Y_{xy}(75.9872, 0.2699, 0.2178)$

Have a look what the booklet for
Yxy(75.9872, 0.2699, 0.2178)
contains.

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Color

Yxy(70.0641, 0.3145, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	FEC9FF
RGB	254, 201, 255
RGB Percent	100%, 79%, 100%
CMY	0.0039, 0.2117, 0.0002
CMYK	0.00, 0.21, 0.00, 0.00
HSL	299°, 100%, 89%
HSV	299°, 21%, 100%
XYZ	79.8086, 70.0641, 103.8908
YIQ	223.0030, 14.2540, 28.0300

Conversions

Conversions Part 2

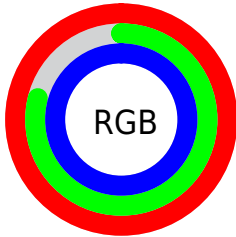
Format	Color
R_{YB}	254, 201, 255
Decimal	16697855
CIE _{Lab}	87.03, 27.62, -19.26
CIE _{LCh}	87, 33.673, 325.112
Yxy	70.0641, 0.3145, 0.2761
Android (android.graphics.Color)	4294887935 (0xFFFECC9FF)
YUV	223.0030, 15.7745, 27.1844
Hunter-Lab	83.7043, 23.7099, -14.9956

Details

The Yxy color $70.0641, 0.3145, 0.2761$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.2615, 0.3105, 0.3880$, and the grayscale version is $73.6744, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.8150, 0.3147, 0.2654$ is the 20% darker color. If you saturate the color by 10%, you get $59.0659, 0.3153, 0.2510$, and if you desaturate by 10%, it is $83.0414, 0.3137, 0.3014$.

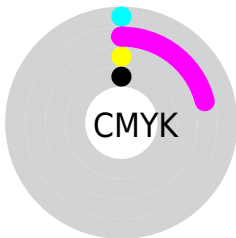
Distribution



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



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0641, 0.3145, 0.2761 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 70.0641, 0.3145, 0.2761 by changing the saturation by 10% instead.


 70.0641, 0.3145,
0.2761

 70.0641, 0.3145,
0.2761


460.7750, 0.3141,
0.2996

 51.5788, 0.3145,
0.2709


119.3002, 0.3144,
0.2841

 36.6694, 0.3144,
0.2647


150.8197, 0.3144,
0.2872

 24.9517, 0.3143,
0.2569


187.4528, 0.3144,
0.2900

 16.0410, 0.3140,
0.2471

229.5838, 0.3143,
0.2924

 9.5532, 0.3134,
0.2342

277.5971, 0.3143,
0.2945

 5.1037, 0.3122,
0.2166


331.8772, 0.3142,


 2.3083, 0.3095,


0.2964


0.1913


392.8084, 0.3142,
0.2981


 0.7781, 0.3033,
0.1519


 0.0000, 0.2678,
0.0000


 70.0641, 0.3145,
0.2761


 70.0641, 0.3145,
0.2761

 59.0659, 0.3153,
0.2510


 83.0414, 0.3137,
0.3014

 49.9405, 0.3159,
0.2270

 98.0792, 0.3128,
0.3262

 42.5852, 0.3165,
0.2051

99.9975, 0.3127,
0.3290

 36.8842, 0.3168,
0.1863

■ 32.7077, 0.3170,
0.1713

■ 29.9065, 0.3170,
0.1607

■ 28.3018, 0.3168,
0.1543

■ 27.6343, 0.3165,
0.1517

Harmonies

Analogous

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



70.0641, 0.2753, 0.2634



70.0641, 0.3145, 0.2761



70.0641, 0.3557, 0.3007

Triad

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



70.0641, 0.3145, 0.2761



70.0641, 0.3800, 0.3921



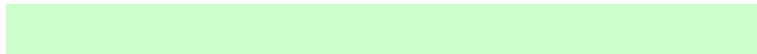
70.0641, 0.2444, 0.3184

Complementary

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



70.0641, 0.3145, 0.2761



88.2615, 0.3105, 0.3880

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.



70.0641, 0.2694, 0.3587



70.0641, 0.3145, 0.2761



70.0641, 0.3474, 0.4031

Square

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



70.0641, 0.3145, 0.2761



70.0641, 0.3947, 0.3656



70.0641, 0.3067, 0.3913



70.0641, 0.2369, 0.2847

Rectangle

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



70.0641, 0.3145, 0.2761



70.0641, 0.3778, 0.3215



70.0641, 0.3067, 0.3913



70.0641, 0.2510, 0.3317

Sweetspot

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



70.0671, 0.3145, 0.2761



90.5730, 0.3132, 0.3143



62.2548, 0.2771, 0.2719



19.1766, 0.3133, 0.3127



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.



70.0671, 0.3145, 0.2761



65.6399, 0.3148, 0.2664



68.7291, 0.3334, 0.3001



18.2832, 0.3135, 0.3056



14.4520, 0.3166, 0.1518



1.4121, 0.3171, 0.1520

Inverse Universe

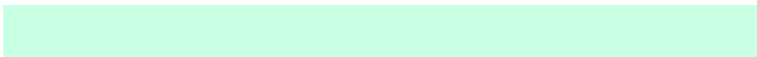
The Inverse Universe completely reimagines the original color for something new.



67.2900, 0.3549, 0.3282



62.4527, 0.3649, 0.3280



89.4142, 0.2962, 0.3599



17.9922, 0.3292, 0.3286



11.1161, 0.6383, 0.3290



1.0841, 0.6341, 0.3267

Previews

White Background



This preview shows how the Yxy color 70.0641, 0.3145, 0.2761 looks on a white background.

Color Contrast Check

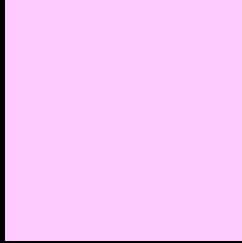
Large Text (above 18pt) WCAG AA × Fail

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 70.0641, 0.3145, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

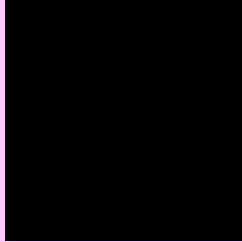
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0641, 0.3145, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 70.0641, 0.3145, 0.2761.

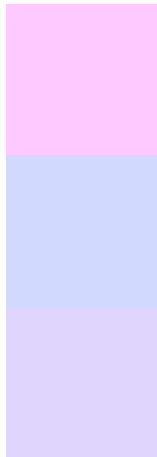


This preview shows how white text looks on a background with the Yxy color 70.0641, 0.3145, 0.2761.

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

70.0641, 0.3145, 0.2761

Protanopia

70.5473, 0.2840, 0.2885

Deuteranopia

70.3683, 0.2936, 0.2872



Tritanopia

70.0931, 0.3332, 0.3126

Trichromacy



Original Color

70.0641, 0.3145, 0.2761



Protanomaly

69.9773, 0.2944, 0.2833



Deuteranomaly

70.2491, 0.3006, 0.2830



Tritanomaly

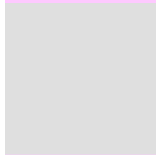
70.1700, 0.3262, 0.2987

Monochromacy



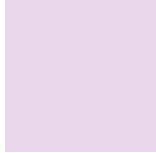
Original Color

70.0641, 0.3145, 0.2761



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

72.0915, 0.3130, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0641, 0.3145, 0.2761 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(254, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.0641, 0.3145, 0.2761 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(254, 201, 255) }
```

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

```
.border{ border-color:rgb(254, 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(254, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0641, 0.3145, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 201, 255) }
```

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

```
.background{ background-color: rgb(254,  
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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