

Converting Colors

$Y_{xy}(65.7671, 0.3171, 0.2685)$

Have a look what the booklet for
Yxy(65.7671, 0.3171, 0.2685)
contains.

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Color

Yxy(65.6135, 0.3171, 0.2681)

Conversions

Conversions Part 1

Format	Color
Hex	FFBFFD
RGB	255, 191, 253
RGB Percent	100%, 75%, 99%
CMY	0.0000, 0.2510, 0.0078
CMYK	0.00, 0.25, 0.01, 0.00
HSL	302°, 100%, 87%
HSV	302°, 25%, 100%
XYZ	77.6055, 65.6135, 101.5161
YIQ	217.2040, 18.2420, 32.8500

Conversions

Conversions Part 2

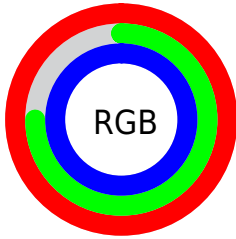
Format	Color
R _Y B	255, 191, 253
Decimal	16760829
CIE Lab	84.80, 32.85, -21.59
CIE LCh	85, 39.311, 326.683
Yxy	65.6135, 0.3171, 0.2681
Android (android.graphics.Color)	4294950909 (0xFFFFBFFD)
YUV	217.2040, 17.6474, 33.1471
Hunter-Lab	81.0022, 29.2612, -17.6038

Details

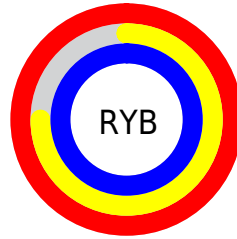
The Yxy color $65.6135, 0.3171, 0.2681$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.4456, 0.3083, 0.3985$, and the grayscale version is $69.4024, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.6148, 0.3130, 0.3223$, and $33.8826, 0.3182, 0.2555$ is the 20% darker color. If you saturate the color by 10%, you get $55.3932, 0.3190, 0.2441$, and if you desaturate by 10%, it is $77.7710, 0.3153, 0.2926$.

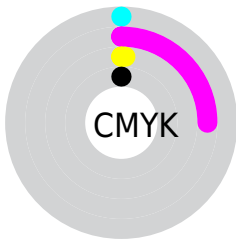
Distribution



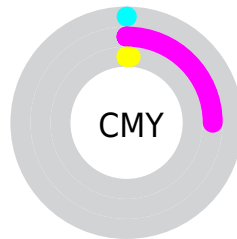
- Red (100%)
- Green (75%)
- Blue (99%)



- Red (100%)
- Yellow (75%)
- Blue (99%)



- Cyan (0%)
- Magenta (25%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6135, 0.3171, 0.2681 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 65.6135, 0.3171, 0.2681 by changing the saturation by 10% instead.


 65.6135, 0.3171,
0.2681

 65.6135, 0.3171,
0.2681


444.9934, 0.3156,
0.2953

 47.9587, 0.3173,
0.2621


 112.9314, 0.3167,
0.2773

 33.7942, 0.3175,
0.2549


143.3634, 0.3165,
0.2810

 22.7355, 0.3176,
0.2459


178.8231, 0.3163,
0.2841

 14.3984, 0.3176,
0.2345

219.6951, 0.3162,
0.2869

 8.3982, 0.3174,
0.2196

266.3638, 0.3160,
0.2894

 4.3508, 0.3165,
0.1992

319.2134, 0.3159,

 1.8717, 0.3140,

0.2916

0.1702

378.6285, 0.3158,
0.2935

0.5313, 0.3099,
0.1178

0.0000, 0.2239,
0.0000

65.6135, 0.3171,
0.2681

65.6135, 0.3171,
0.2681

55.3932, 0.3190,
0.2441

77.7710, 0.3153,
0.2926

47.0084, 0.3209,
0.2215

91.9575, 0.3135,
0.3169

40.3502, 0.3227,
0.2014

100.0000, 0.3127,
0.3290

35.2977, 0.3245,
0.1846

■ 31.7142, 0.3260,
0.1719

■ 29.4406, 0.3274,
0.1636

■ 28.2807, 0.3285,
0.1595

■ 27.9815, 0.3290,
0.1586

Harmonies

Analogous

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



65.6135, 0.2703, 0.2524



65.6135, 0.3171, 0.2681



65.6135, 0.3662, 0.2973

Triad

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



65.6135, 0.3171, 0.2681



65.6135, 0.3908, 0.4047



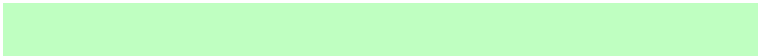
65.6135, 0.2311, 0.3131

Complementary

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



65.6135, 0.3171, 0.2681



86.4456, 0.3083, 0.3985

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.



65.6135, 0.2590, 0.3620



65.6135, 0.3171, 0.2681



65.6135, 0.3508, 0.4180

Square

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



65.6135, 0.3171, 0.2681



65.6135, 0.4102, 0.3731



65.6135, 0.3025, 0.4029



65.6135, 0.2237, 0.2743

Rectangle

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



65.6135, 0.3171, 0.2681



65.6135, 0.3922, 0.3216



65.6135, 0.3025, 0.4029



65.6135, 0.2383, 0.3290

Sweetspot

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



65.6139, 0.3171, 0.2681



87.6272, 0.3140, 0.3099



55.6960, 0.2700, 0.2574



18.2901, 0.3143, 0.3063



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.



65.6139, 0.3171, 0.2681



60.3684, 0.3180, 0.2562



63.7913, 0.3408, 0.2976



18.2901, 0.3143, 0.3063



14.6253, 0.3288, 0.1585



1.4270, 0.3279, 0.1580

Inverse Universe

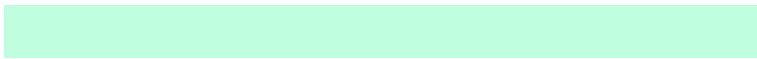
The Inverse Universe completely reimagines the original color for something new.



65.6139, 0.3171, 0.2681



60.3684, 0.3180, 0.2562



87.9816, 0.2916, 0.3628



18.2901, 0.3143, 0.3063



14.6253, 0.3288, 0.1585



1.4270, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 65.6135, 0.3171, 0.2681 looks on a white background.

Color Contrast Check

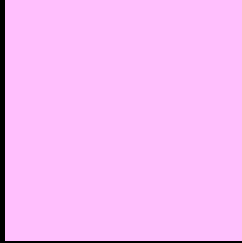
Large Text (above 18pt) WCAG AA × Fail

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 65.6135, 0.3171, 0.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

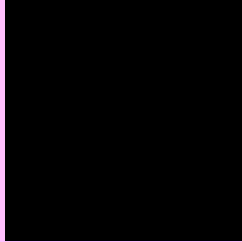
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6135, 0.3171, 0.2681

Background



This preview shows how black text looks on a background with the Yxy color 65.6135, 0.3171, 0.2681.

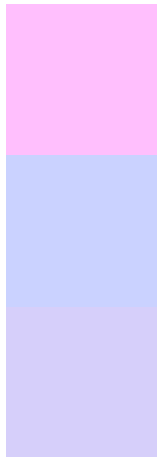


This preview shows how white text looks on a background with the Yxy color 65.6135, 0.3171, 0.2681.

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

65.6135, 0.3171, 0.2681

Protanopia

65.8697, 0.2783, 0.2801

Deuteranopia

65.8239, 0.2892, 0.2828



Tritanopia

65.5672, 0.3420, 0.3125

Trichromacy



Original Color

65.6135, 0.3171, 0.2681



Protanomaly

65.2398, 0.2914, 0.2752



Deuteranomaly

65.3963, 0.2990, 0.2769



Tritanomaly

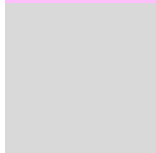
65.3271, 0.3331, 0.2954

Monochromacy



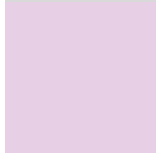
Original Color

65.6135, 0.3171, 0.2681



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

67.8138, 0.3146, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6135, 0.3171, 0.2681 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(255, 191, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 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(255, 191, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 253) }
```

Border

The CSS property to change the border of an element to Yxy 65.6135, 0.3171, 0.2681 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(255, 191, 253) }
```

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

```
.border{ border-color:rgb(255, 191, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6135, 0.3171, 0.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 253) }
```

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

```
.background{ background-color: rgb(255,  
191, 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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