

Converting Colors

$Y_{xy}(65.1366, 0.3081, 0.2677)$

Have a look what the booklet for
Yxy(65.1366, 0.3081, 0.2677)
contains.

Yxy(65.2161, 0.3081, 0.2679)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.2161, 0.3081, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	F5C2FF
RGB	245, 194, 255
RGB Percent	96%, 76%, 100%
CMY	0.0391, 0.2392, 0.0001
CMYK	0.04, 0.24, 0.00, 0.00
HSL	290°, 100%, 88%
HSV	290°, 24%, 100%
XYZ	75.0022, 65.2161, 103.2162
YIQ	216.2030, 10.8150, 29.7830

Conversions

Conversions Part 2

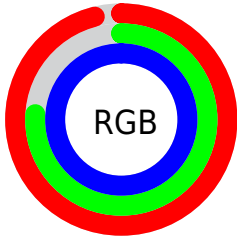
Format	Color
R_{YB}	245, 194, 255
Decimal	16106239
CIE _{Lab}	84.59, 28.44, -23.03
CIE _{LCh}	85, 36.597, 321.005
Yxy	65.2161, 0.3081, 0.2679
Android (android.graphics.Color)	4294296319 (0xFFFF5C2FF)
YUV	216.2030, 19.1269, 25.2550
Hunter-Lab	80.7565, 24.4571, -19.2500

Details

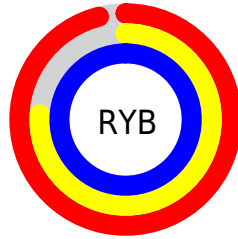
The Yxy color $65.2161, 0.3081, 0.2679$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.2237, 0.3156, 0.3957$, and the grayscale version is $68.6794, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.4744, 0.3129, 0.3252$, and $33.5248, 0.3063, 0.2547$ is the 20% darker color. If you saturate the color by 10%, you get $54.0878, 0.3054, 0.2416$, and if you desaturate by 10%, it is $78.3138, 0.3103, 0.2941$.

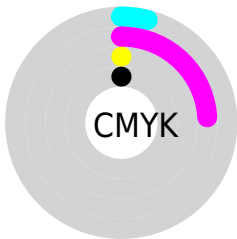
Distribution



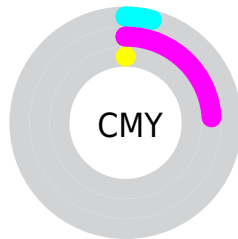
- Red (96%)
- Green (76%)
- Blue (100%)



- Red (96%)
- Yellow (76%)
- Blue (100%)



- Cyan (4%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2161, 0.3081, 0.2679 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 65.2161, 0.3081, 0.2679 by changing the saturation by 10% instead.


 65.2161, 0.3081,
0.2679

 65.2161, 0.3081,
0.2679


443.5681, 0.3108,
0.2953

 47.6363, 0.3074,
0.2619


 112.3605, 0.3091,
0.2772

 33.5390, 0.3064,
0.2546


142.6939, 0.3095,
0.2809

 22.5397, 0.3050,
0.2455


178.0473, 0.3098,
0.2841

 14.2540, 0.3031,
0.2339

218.8051, 0.3101,
0.2869

 8.2975, 0.3003,
0.2187

265.3517, 0.3103,
0.2893

 4.2859, 0.2958,
0.1980

318.0715, 0.3105,


 1.8347, 0.2877,


0.2915


0.1685

377.3488, 0.3107,
0.2935


 0.5087, 0.2744,
0.1140


 0.0000, 0.1159,
0.0000


 65.2161, 0.3081,
0.2679


 65.2161, 0.3081,
0.2679

 54.0878, 0.3054,
0.2416


 78.3138, 0.3103,
0.2941

 44.8209, 0.3022,
0.2161

 93.4648, 0.3121,
0.3194

 37.3100, 0.2987,
0.1923

99.9981, 0.3127,
0.3290

 31.4356, 0.2947,
0.1716

■ 27.0632, 0.2905,
0.1546

■ 24.0367, 0.2861,
0.1422

■ 22.1655, 0.2818,
0.1343

■ 21.4269, 0.2792,
0.1312

Harmonies

Analogous

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



65.2161, 0.2660, 0.2560



65.2161, 0.3081, 0.2679



65.2161, 0.3545, 0.2934

Triad

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



65.2161, 0.3081, 0.2679



65.2161, 0.3910, 0.3955



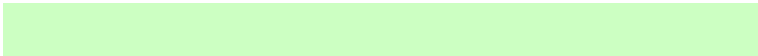
65.2161, 0.2398, 0.3228

Complementary

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



65.2161, 0.3081, 0.2679



88.2237, 0.3156, 0.3957

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.



65.2161, 0.2695, 0.3681



65.2161, 0.3081, 0.2679



65.2161, 0.3566, 0.4114

Square

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



65.2161, 0.3081, 0.2679



65.2161, 0.4042, 0.3641



65.2161, 0.3120, 0.4023



65.2161, 0.2290, 0.2838

Rectangle

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



65.2161, 0.3081, 0.2679



65.2161, 0.3808, 0.3155



65.2161, 0.3120, 0.4023



65.2161, 0.2478, 0.3379

Sweetspot

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



65.2189, 0.3081, 0.2679



88.5877, 0.3116, 0.3117



61.9485, 0.2726, 0.2727



18.7613, 0.3115, 0.3102



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.



65.2189, 0.3081, 0.2679



59.3337, 0.3068, 0.2545



65.8143, 0.3305, 0.2882



18.1417, 0.3112, 0.3054



11.2548, 0.2799, 0.1316



1.1340, 0.2849, 0.1343

Inverse Universe

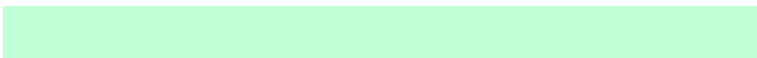
The Inverse Universe completely reimagines the original color for something new.



64.1931, 0.3547, 0.3189



58.1829, 0.3668, 0.3166



87.8412, 0.2985, 0.3736



18.0353, 0.3269, 0.3252



11.2086, 0.6170, 0.3173



1.1044, 0.5892, 0.3020

Previews

White Background



This preview shows how the Yxy color 65.2161, 0.3081, 0.2679 looks on a white background.

Color Contrast Check

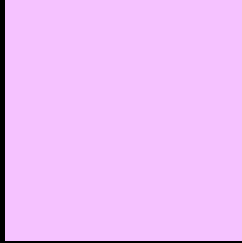
Large Text (above 18pt) WCAG AA × Fail

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 65.2161, 0.3081, 0.2679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

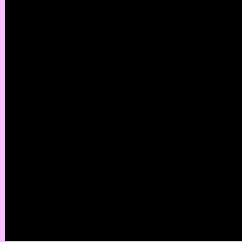
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2161, 0.3081, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 65.2161, 0.3081, 0.2679.

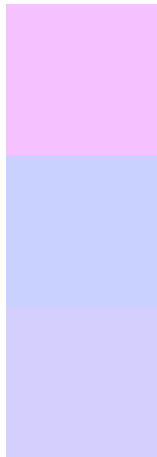


This preview shows how white text looks on a background with the Yxy color 65.2161, 0.3081, 0.2679.

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

65.2161, 0.3081, 0.2679

Protanopia

65.7307, 0.2776, 0.2800

Deuteranopia

65.7145, 0.2860, 0.2797



Tritanopia

65.1338, 0.3306, 0.3121

Trichromacy



Original Color

65.2161, 0.3081, 0.2679



Protanomaly

65.1574, 0.2880, 0.2749



Deuteranomaly

65.2441, 0.2935, 0.2745



Tritanomaly

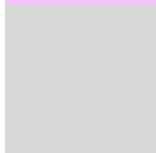
64.8585, 0.3220, 0.2946

Monochromacy



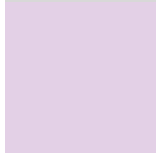
Original Color

65.2161, 0.3081, 0.2679



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

67.1558, 0.3116, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2161, 0.3081, 0.2679 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(245, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 194, 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(245, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.2161, 0.3081, 0.2679 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(245, 194, 255) }
```

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

```
.border{ border-color:rgb(245, 194, 255) }
```

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

Here you see how a box with a 4 pixel rgb(245, 194, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2161, 0.3081, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 194, 255) }
```

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

```
.background{ background-color: rgb(245,  
194, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor