

Converting Colors

$Y_{xy}(130.1562, 0.4221, 0.3143)$

Have a look what the booklet for
Yxy(130.1562, 0.4221, 0.3143)
contains.

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Color

Yxy(84.9455, 0.3151, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6FD
RGB	255, 230, 253
RGB Percent	100%, 90%, 99%
CMY	0.0000, 0.0980, 0.0077
CMYK	0.00, 0.10, 0.01, 0.00
HSL	305°, 100%, 95%
HSV	305°, 10%, 100%
XYZ	87.2720, 84.9455, 104.7486
YIQ	240.0970, 7.5170, 12.4530

Conversions

Conversions Part 2

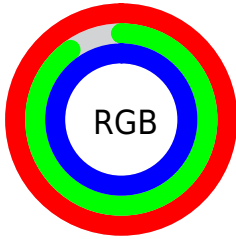
Format	Color
R_{YB}	255, 230, 253
Decimal	16770813
CIE _{Lab}	93.86, 12.44, -8.02
CIE _{LCh}	94, 14.806, 327.190
Yxy	84.9455, 0.3151, 0.3067
Android (android.graphics.Color)	4294960893 (0xFFFFE6FD)
YUV	240.0970, 6.3612, 13.0699
Hunter-Lab	92.1659, 7.7316, -2.8683

Details

The Yxy color $84.9455, 0.3151, 0.3067$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $94.1675, 0.3104, 0.3524$, and the grayscale version is $87.1642, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.2634, 0.3157, 0.3019$ is the 20% darker color. If you saturate the color by 10%, you get $71.6502, 0.3178, 0.2833$, and if you desaturate by 10%, it is $100.0000, 0.3127, 0.3290$.

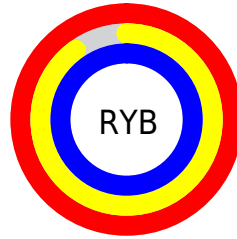
Distribution



Red (100%)

Green (90%)

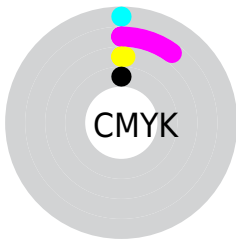
Blue (99%)



Red (100%)

Yellow (90%)

Blue (99%)

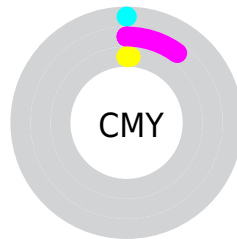


Cyan (0%)

Magenta (10%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9455, 0.3151, 0.3067 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 84.9455, 0.3151, 0.3067 by changing the saturation by 10% instead.


 84.9455, 0.3151,
0.3067

 84.9455, 0.3151,
0.3067


511.4477, 0.3141,
0.3166

 63.7964, 0.3153,
0.3045


140.2970, 0.3148,
0.3100

 46.4858, 0.3155,
0.3019


175.2682, 0.3146,
0.3114

 32.6293, 0.3158,
0.2987


215.6155, 0.3145,
0.3125

 21.8426, 0.3162,
0.2946

261.7233, 0.3144,
0.3135

 13.7413, 0.3166,
0.2892

313.9760, 0.3143,
0.3144

 7.9410, 0.3171,
0.2818

372.7581, 0.3143,

 4.0572, 0.3178,

0.3152

0.2711

438.4539, 0.3142,
0.3159

■ 1.7056, 0.3186,
0.2541

■ 0.4273, 0.3280,
0.1974

■ 84.9455, 0.3151,
0.3067

■ 84.9455, 0.3151,
0.3067

■ 71.6502, 0.3178,
0.2833

100.0000, 0.3127,
0.3290

■ 60.3405, 0.3207,
0.2599

■ 50.9220, 0.3239,
0.2373

■ 43.2905, 0.3272,
0.2164

■ 37.3313, 0.3305,
0.1983

■ 32.9170, 0.3337,
0.1838

■ 29.9014, 0.3368,
0.1736

■ 28.1105, 0.3396,
0.1678

■ 27.2658, 0.3421,
0.1659

Harmonies

Analogous

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



84.9455, 0.2984, 0.3009



84.9455, 0.3151, 0.3067



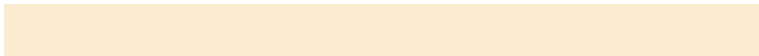
84.9455, 0.3316, 0.3181

Triad

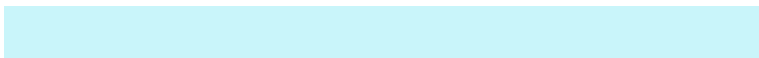
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9455, 0.3151, 0.3067



84.9455, 0.3400, 0.3561



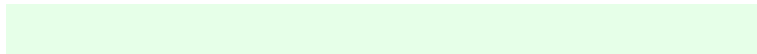
84.9455, 0.2833, 0.3244

Complementary

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



84.9455, 0.3151, 0.3067



94.1675, 0.3104, 0.3524

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.



84.9455, 0.2939, 0.3401



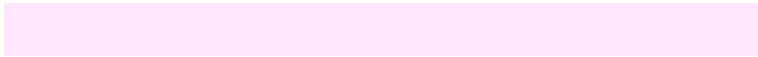
84.9455, 0.3151, 0.3067



84.9455, 0.3266, 0.3588

Square

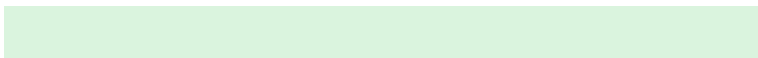
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



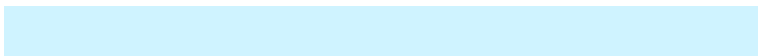
84.9455, 0.3151, 0.3067



84.9455, 0.3462, 0.3463



84.9455, 0.3097, 0.3529



84.9455, 0.2804, 0.3105

Rectangle

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



84.9455, 0.3151, 0.3067



84.9455, 0.3400, 0.3275



84.9455, 0.3097, 0.3529



84.9455, 0.2860, 0.3296

Sweetspot

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



84.9475, 0.3151, 0.3067



95.1770, 0.3134, 0.3223



80.9139, 0.2984, 0.3037



20.1029, 0.3136, 0.3205



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.



84.9475, 0.3151, 0.3067



81.8522, 0.3157, 0.3016



84.1947, 0.3229, 0.3184



18.2742, 0.3150, 0.3074



14.2505, 0.3418, 0.1657



1.3946, 0.3392, 0.1642

Inverse Universe

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



84.9475, 0.3151, 0.3067



81.8522, 0.3157, 0.3016



94.8848, 0.3035, 0.3398



18.2742, 0.3150, 0.3074



14.2505, 0.3418, 0.1657



1.3946, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 84.9455, 0.3151, 0.3067 looks on a white background.

Color Contrast Check

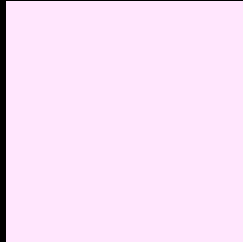
Large Text (above 18pt) WCAG AA × Fail

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 84.9455, 0.3151, 0.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

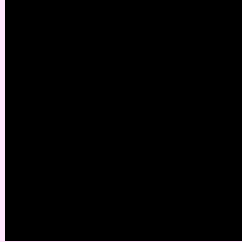
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.9455, 0.3151, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 84.9455, 0.3151, 0.3067.

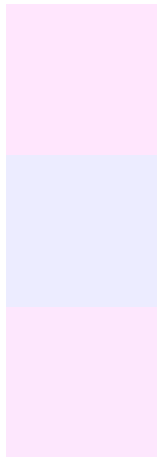


This preview shows how white text looks on a background with the Yxy color 84.9455, 0.3151, 0.3067.

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

84.9455, 0.3151, 0.3067

Protanopia

85.0438, 0.3012, 0.3100

Deuteranopia

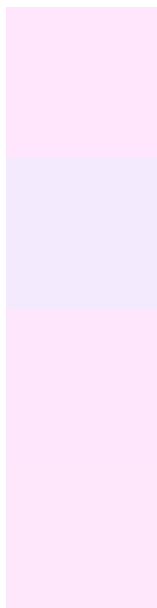
85.1263, 0.3137, 0.3076



Tritanopia

85.0622, 0.3169, 0.3115

Trichromacy



Original Color

84.9455, 0.3151, 0.3067

Protanomaly

85.0561, 0.3064, 0.3092

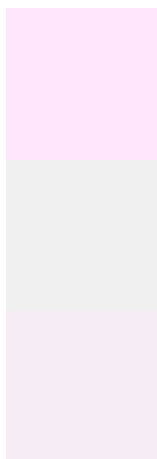
Deuteranomaly

85.3145, 0.3144, 0.3077

Tritanomaly

85.1248, 0.3163, 0.3105

Monochromacy



Original Color

84.9455, 0.3151, 0.3067

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

85.9960, 0.3131, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9455, 0.3151, 0.3067 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, 230, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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, 230, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 253) }
```

Border

The CSS property to change the border of an element to Yxy 84.9455, 0.3151, 0.3067 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, 230, 253) }
```

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

```
.border{ border-color:rgb(255, 230, 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, 230, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9455, 0.3151, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 253) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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