

Converting Colors

$Y_{xy}(81.8500, 0.3157, 0.3016)$

Have a look what the booklet for
Yxy(81.8500, 0.3157, 0.3016)
contains.

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Color

Yxy(81.6632, 0.3154, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	FFE0FD
RGB	255, 224, 253
RGB Percent	100%, 88%, 99%
CMY	0.0000, 0.1215, 0.0078
CMYK	0.00, 0.12, 0.01, 0.00
HSL	304°, 100%, 94%
HSV	304°, 12%, 100%
XYZ	85.6269, 81.6632, 104.1966
YIQ	236.5750, 9.1670, 15.5910

Conversions

Conversions Part 2

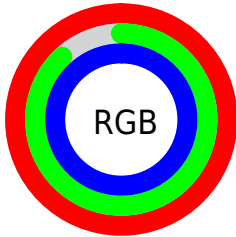
Format	Color
R _Y B	255, 224, 253
Decimal	16769277
CIE Lab	92.43, 15.55, -10.15
CIE LCh	92, 18.568, 326.874
Yxy	81.6632, 0.3154, 0.3008
Android (android.graphics.Color)	4294959357 (0xFFFFE0FD)
YUV	236.5750, 8.0975, 16.1587
Hunter-Lab	90.3677, 10.9922, -5.1057

Details

The Yxy color **81.6632, 0.3154, 0.3008** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.8561, 0.3101, 0.3589**, and the grayscale version is **84.2787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3672, 0.3161, 0.2956** is the 20% darker color. If you saturate the color by 10%, you get **68.8692, 0.3179, 0.2770**, and if you desaturate by 10%, it is **96.5205, 0.3132, 0.3241**.

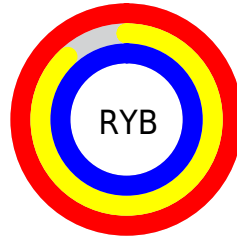
Distribution



Red (100%)

Green (88%)

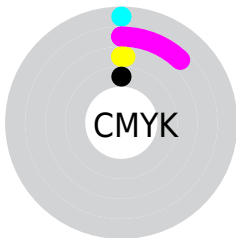
Blue (99%)



Red (100%)

Yellow (88%)

Blue (99%)

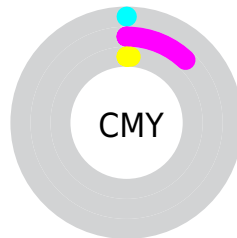


Cyan (0%)

Magenta (12%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6632, 0.3154, 0.3008 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 81.6632, 0.3154, 0.3008 by changing the saturation by 10% instead.

 81.6632, 0.3154,
0.3008

 81.6632, 0.3154,
0.3008


500.5204, 0.3143,
0.3133

 61.0880, 0.3156,
0.2981


135.7016, 0.3151,
0.3050

 44.2962, 0.3159,
0.2948


169.9335, 0.3149,
0.3067

 30.9034, 0.3162,
0.2906


209.4865, 0.3148,
0.3082

 20.5253, 0.3165,
0.2854

254.7449, 0.3147,
0.3094

 12.7775, 0.3169,
0.2786

306.0931, 0.3146,
0.3106

 7.2755, 0.3174,
0.2692

363.9154, 0.3145,

 3.6350, 0.3179,

0.3116

0.2555

428.5964, 0.3144,
0.3125

■ 1.4715, 0.3182,
0.2339

■ 0.2686, 0.3331,
0.1409

■ 81.6632, 0.3154,
0.3008

■ 81.6632, 0.3154,
0.3008

■ 68.8692, 0.3179,
0.2770

■ 96.5205, 0.3132,
0.3241

■ 58.0368, 0.3205,
0.2534

99.9995, 0.3127,
0.3290

■ 49.0713, 0.3233,
0.2308

■ 41.8663, 0.3261,
0.2103

■ 36.3047, 0.3289,
0.1928

■ 32.2548, 0.3316,
0.1791

■ 29.5654, 0.3341,
0.1698

■ 28.0533, 0.3363,
0.1649

■ 27.4773, 0.3379,
0.1635

Harmonies

Analogous

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



81.6632, 0.2943, 0.2935



81.6632, 0.3154, 0.3008



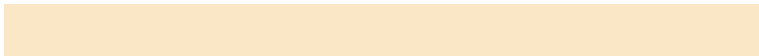
81.6632, 0.3364, 0.3150

Triad

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



81.6632, 0.3154, 0.3008



81.6632, 0.3475, 0.3633



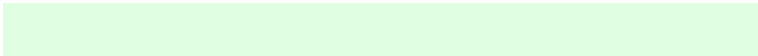
81.6632, 0.2756, 0.3231

Complementary

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



81.6632, 0.3154, 0.3008



92.8561, 0.3101, 0.3589

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.



81.6632, 0.2890, 0.3433



81.6632, 0.3154, 0.3008



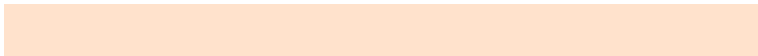
81.6632, 0.3304, 0.3670

Square

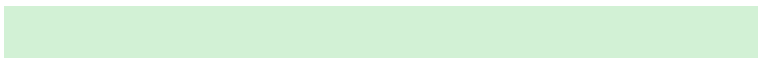
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6632, 0.3154, 0.3008



81.6632, 0.3553, 0.3505



81.6632, 0.3089, 0.3598



81.6632, 0.2718, 0.3055

Rectangle

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



81.6632, 0.3154, 0.3008



81.6632, 0.3474, 0.3268



81.6632, 0.3089, 0.3598



81.6632, 0.2791, 0.3298

Sweetspot

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



81.6667, 0.3154, 0.3008



93.6221, 0.3136, 0.3199



76.6306, 0.2944, 0.2971



19.7904, 0.3137, 0.3181



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.



81.6667, 0.3154, 0.3008



77.8210, 0.3161, 0.2941



80.7436, 0.3253, 0.3153



18.2792, 0.3148, 0.3070



14.3664, 0.3376, 0.1633



1.4046, 0.3355, 0.1622

Inverse Universe

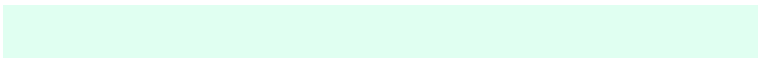
The Inverse Universe completely reimagines the original color for something new.



81.6667, 0.3154, 0.3008



77.8210, 0.3161, 0.2941



93.7202, 0.3017, 0.3432



18.2792, 0.3148, 0.3070



14.3664, 0.3376, 0.1633



1.4046, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 81.6632, 0.3154, 0.3008 looks on a white background.

Color Contrast Check

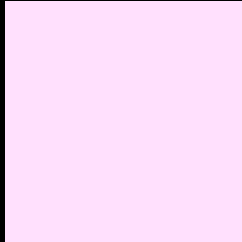
Large Text (above 18pt) WCAG AA × Fail

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 81.6632, 0.3154, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

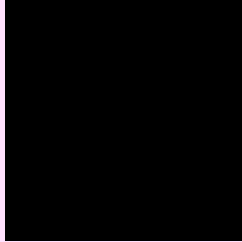
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

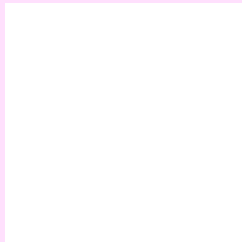
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6632, 0.3154, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 81.6632, 0.3154, 0.3008.

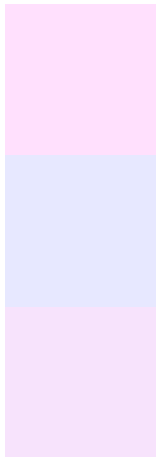


This preview shows how white text looks on a background with the Yxy color 81.6632, 0.3154, 0.3008.

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

81.6632, 0.3154, 0.3008

Protanopia

81.9221, 0.2980, 0.3057

Deuteranopia

81.7406, 0.3105, 0.3043



Tritanopia

81.9346, 0.3211, 0.3123

Trichromacy



Original Color

81.6632, 0.3154, 0.3008

Protanomaly

81.7196, 0.3045, 0.3040

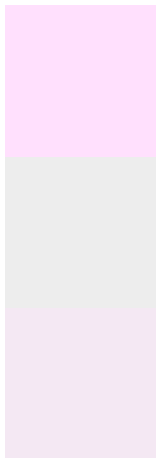
Deuteranomaly

81.7450, 0.3125, 0.3035

Tritanomaly

81.6367, 0.3186, 0.3075

Monochromacy



Original Color

81.6632, 0.3154, 0.3008

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

83.4174, 0.3139, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6632, 0.3154, 0.3008 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, 224, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 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, 224, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 253) }
```

Border

The CSS property to change the border of an element to Yxy 81.6632, 0.3154, 0.3008 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, 224, 253) }
```

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

```
.border{ border-color:rgb(255, 224, 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, 224, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6632, 0.3154, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 253) }
```

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

```
.background{ background-color: rgb(255,  
224, 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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