

Converting Colors

$Yxy(80.5334, 0.3153, 0.2984)$

Have a look what the booklet for
Yxy(80.5334, 0.3153, 0.2984)
contains.

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Color

Yxy(80.5944, 0.3155, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEFD
RGB	255, 222, 253
RGB Percent	100%, 87%, 99%
CMY	0.0000, 0.1294, 0.0077
CMYK	0.00, 0.13, 0.01, 0.00
HSL	304°, 100%, 94%
HSV	304°, 13%, 100%
XYZ	85.0988, 80.5944, 104.0337
YIQ	235.4010, 9.7170, 16.6370

Conversions

Conversions Part 2

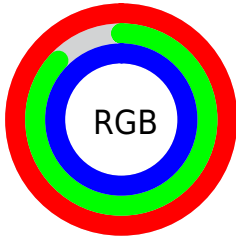
Format	Color
R _Y B	255, 222, 253
Decimal	16768765
CIE _{Lab}	91.95, 16.60, -10.86
CIE _{LCh}	92, 19.842, 326.804
Y _{xy}	80.5944, 0.3155, 0.2988
Android (android.graphics.Color)	4294958845 (0xFFFFDEFD)
Y _{UV}	235.4010, 8.6763, 17.1883
Hunter-Lab	89.7744, 12.0984, -5.8652

Details

The Yxy color $80.5944, 0.3155, 0.2988$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $92.4286, 0.3100, 0.3612$, and the grayscale version is $83.3279, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.6287, 0.3162, 0.2931$ is the 20% darker color. If you saturate the color by 10%, you get $67.9631, 0.3179, 0.2749$, and if you desaturate by 10%, it is $95.2775, 0.3133, 0.3223$.

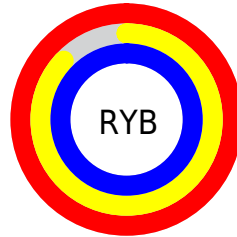
Distribution



Red (100%)

Green (87%)

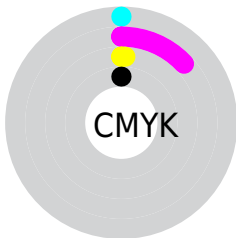
Blue (99%)



Red (100%)

Yellow (87%)

Blue (99%)

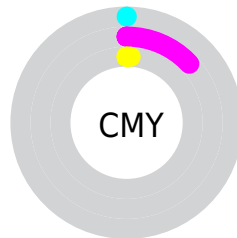


Cyan (0%)

Magenta (13%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5944, 0.3155, 0.2988 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 80.5944, 0.3155, 0.2988 by changing the saturation by 10% instead.

 80.5944, 0.3155,
0.2988

 80.5944, 0.3155,
0.2988

496.9337, 0.3144,
0.3122

 60.2076, 0.3157,
0.2959

134.2011, 0.3151,
0.3033

 43.5860, 0.3160,
0.2923


168.1898, 0.3150,
0.3051

 30.3452, 0.3163,
0.2879


207.4813, 0.3149,
0.3067

 20.1007, 0.3166,
0.2823

252.4599, 0.3148,
0.3081

 12.4683, 0.3170,
0.2750

303.5100, 0.3146,
0.3093

 7.0634, 0.3174,
0.2649

361.0161, 0.3146,

 3.5018, 0.3178,

0.3103

0.2502

425.3626, 0.3145,
0.3113

■ 1.3990, 0.3179,
0.2271

■ 0.2160, 0.3352,
0.1186

■ 80.5944, 0.3155,
0.2988

■ 80.5944, 0.3155,
0.2988

■ 67.9631, 0.3179,
0.2749

■ 95.2775, 0.3133,
0.3223

■ 57.2880, 0.3204,
0.2513

100.0000, 0.3127,
0.3290

■ 48.4718, 0.3231,
0.2287

■ 41.4072, 0.3258,
0.2084

■ 35.9760, 0.3285,
0.1911

■ 32.0455, 0.3310,
0.1777

■ 29.4622, 0.3333,
0.1687

■ 28.0398, 0.3354,
0.1640

■ 27.5437, 0.3367,
0.1628

Harmonies

Analogous

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



80.5944, 0.2928, 0.2910



80.5944, 0.3155, 0.2988



80.5944, 0.3381, 0.3139

Triad

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



80.5944, 0.3155, 0.2988



80.5944, 0.3501, 0.3658



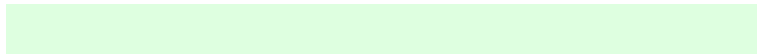
80.5944, 0.2730, 0.3226

Complementary

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



80.5944, 0.3155, 0.2988



92.4286, 0.3100, 0.3612

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.



80.5944, 0.2873, 0.3444



80.5944, 0.3155, 0.2988



80.5944, 0.3317, 0.3699

Square

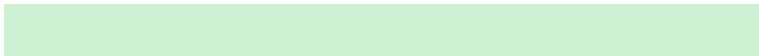
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5944, 0.3155, 0.2988



80.5944, 0.3585, 0.3520



80.5944, 0.3087, 0.3621



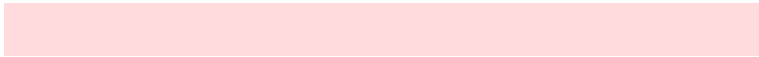
80.5944, 0.2689, 0.3037

Rectangle

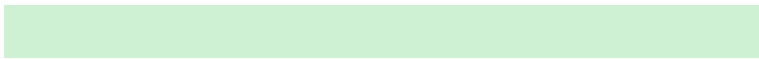
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5944, 0.3155, 0.2988



80.5944, 0.3499, 0.3265



80.5944, 0.3087, 0.3621



80.5944, 0.2767, 0.3299

Sweetspot

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



80.5957, 0.3155, 0.2988



93.6250, 0.3135, 0.3198



75.2522, 0.2931, 0.2948



19.7911, 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.



80.5957, 0.3155, 0.2988



76.5195, 0.3162, 0.2915



79.6067, 0.3263, 0.3143



18.2807, 0.3147, 0.3069



14.4002, 0.3364, 0.1627



1.4075, 0.3345, 0.1616

Inverse Universe

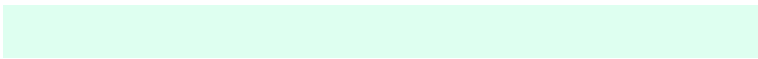
The Inverse Universe completely reimagines the original color for something new.



80.5957, 0.3155, 0.2988



76.5195, 0.3162, 0.2915



93.3493, 0.3010, 0.3441



18.2807, 0.3147, 0.3069



14.4002, 0.3364, 0.1627



1.4075, 0.3345, 0.1616

Previews

White Background



This preview shows how the Yxy color 80.5944, 0.3155, 0.2988 looks on a white background.

Color Contrast Check

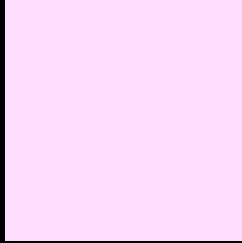
Large Text (above 18pt) WCAG AA × Fail

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 80.5944, 0.3155, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

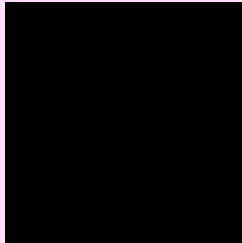
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

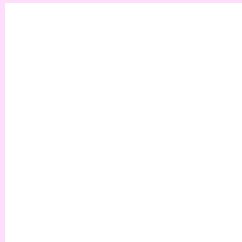
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5944, 0.3155, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 80.5944, 0.3155, 0.2988.

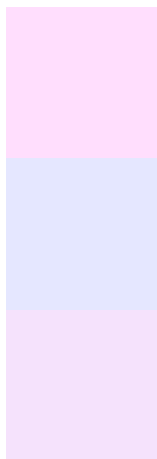


This preview shows how white text looks on a background with the Yxy color 80.5944, 0.3155, 0.2988.

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

80.5944, 0.3155, 0.2988

Protanopia

81.0298, 0.2967, 0.3046

Deuteranopia

80.8335, 0.3092, 0.3032



Tritanopia

80.5448, 0.3219, 0.3122

Trichromacy



Original Color

80.5944, 0.3155, 0.2988

Protanomaly

80.8197, 0.3032, 0.3029

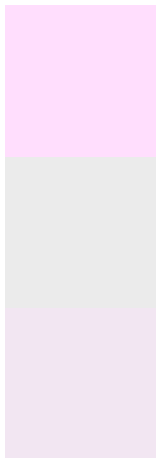
Deuteranomaly

81.0184, 0.3119, 0.3024

Tritanomaly

80.4388, 0.3200, 0.3074

Monochromacy



Original Color

80.5944, 0.3155, 0.2988

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

81.8817, 0.3133, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5944, 0.3155, 0.2988 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, 222, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 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, 222, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 253) }
```

Border

The CSS property to change the border of an element to Yxy 80.5944, 0.3155, 0.2988 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, 222, 253) }
```

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

```
.border{ border-color:rgb(255, 222, 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, 222, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5944, 0.3155, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 253) }
```

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

```
.background{ background-color: rgb(255,  
222, 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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