

Converting Colors

$Y_{xy}(82.3289, 0.3012, 0.2881)$

Have a look what the booklet for
Yxy(82.3289, 0.3012, 0.2881)
contains.

Yxy(81.5692, 0.3093, 0.3005)	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(81.5692, 0.3093, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	F8E2FF
RGB	248, 226, 255
RGB Percent	97%, 89%, 100%
CMY	0.0274, 0.1137, 0.0000
CMYK	0.03, 0.11, 0.00, 0.00
HSL	286°, 100%, 94%
HSV	286°, 11%, 100%
XYZ	83.9579, 81.5692, 105.9178
YIQ	235.8840, 3.8030, 13.6830

Conversions

Conversions Part 2

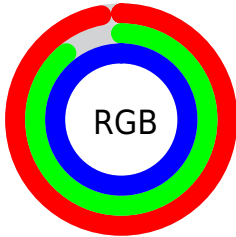
Format	Color
R _Y B	248, 226, 255
Decimal	16311039
CIE Lab	92.38, 12.57, -11.30
CIE LCh	92, 16.902, 318.054
Yxy	81.5692, 0.3093, 0.3005
Android (android.graphics.Color)	4294501119 (0xFF8E2FF)
YUV	235.8840, 9.4242, 10.6257
Hunter-Lab	90.3157, 7.8821, -6.3115

Details

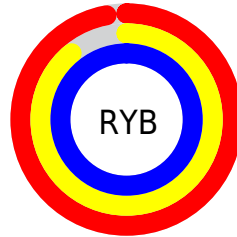
The Yxy color **81.5692, 0.3093, 0.3005** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **94.3267, 0.3157, 0.3584**, and the grayscale version is **83.7143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4095, 0.3090, 0.2952** is the 20% darker color. If you saturate the color by 10%, you get **67.6161, 0.3056, 0.2741**, and if you desaturate by 10%, it is **97.6283, 0.3123, 0.3257**.

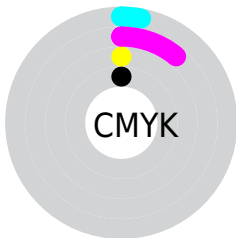
Distribution



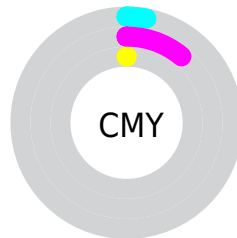
- Red (97%)
- Green (89%)
- Blue (100%)



- Red (97%)
- Yellow (89%)
- Blue (100%)



- Cyan (3%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5692, 0.3093, 0.3005 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 81.5692, 0.3093, 0.3005 by changing the saturation by 10% instead.


 81.5692, 0.3093,
0.3005

 81.5692, 0.3093,
0.3005


500.2055, 0.3110,
0.3132

 61.0105, 0.3089,
0.2977


135.5697, 0.3099,
0.3048

 44.2336, 0.3084,
0.2944


169.7803, 0.3101,
0.3065

 30.8542, 0.3078,
0.2902


209.3103, 0.3103,
0.3080

 20.4879, 0.3069,
0.2849

254.5442, 0.3105,
0.3093

 12.7502, 0.3057,
0.2779

305.8662, 0.3106,
0.3104

 7.2567, 0.3040,
0.2683

363.6608, 0.3107,

 3.6232, 0.3012,

0.3114

0.2544

428.3125, 0.3109,
0.3123

■ 1.4651, 0.2961,
0.2323

■ 0.2640, 0.2930,
0.1387

■ 81.5692, 0.3093,
0.3005

■ 81.5692, 0.3093,
0.3005

■ 67.6161, 0.3056,
0.2741

■ 97.6283, 0.3123,
0.3257

■ 55.6674, 0.3013,
0.2471

99.9994, 0.3127,
0.3290

■ 45.6288, 0.2962,
0.2202

■ 37.3943, 0.2906,
0.1947

■ 30.8472, 0.2845,
0.1715

■ 25.8571, 0.2780,
0.1518

■ 22.2738, 0.2714,
0.1366

■ 19.9174, 0.2649,
0.1261

■ 18.6309, 0.2594,
0.1203

Harmonies

Analogous

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



81.5692, 0.2910, 0.2961



81.5692, 0.3093, 0.3005



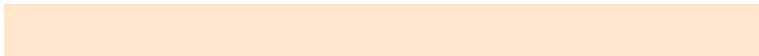
81.5692, 0.3291, 0.3119

Triad

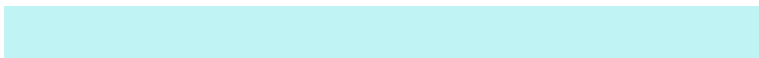
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5692, 0.3093, 0.3005



81.5692, 0.3476, 0.3576



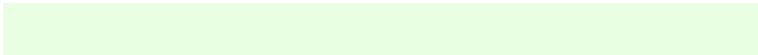
81.5692, 0.2816, 0.3291

Complementary

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



81.5692, 0.3093, 0.3005



94.3267, 0.3157, 0.3584

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.



81.5692, 0.2960, 0.3470



81.5692, 0.3093, 0.3005



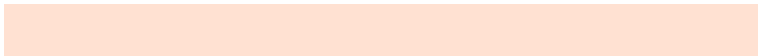
81.5692, 0.3341, 0.3636

Square

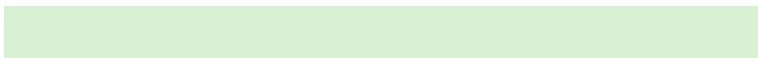
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



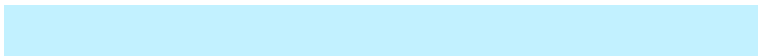
81.5692, 0.3093, 0.3005



81.5692, 0.3515, 0.3443



81.5692, 0.3152, 0.3599



81.5692, 0.2754, 0.3118

Rectangle

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



81.5692, 0.3093, 0.3005



81.5692, 0.3403, 0.3221



81.5692, 0.3152, 0.3599



81.5692, 0.2856, 0.3353

Sweetspot

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



81.5727, 0.3093, 0.3005



94.8679, 0.3119, 0.3217



81.8092, 0.2948, 0.3068



20.0192, 0.3117, 0.3197



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.



81.5727, 0.3093, 0.3005



77.7049, 0.3084, 0.2937



82.4151, 0.3187, 0.3078



18.0670, 0.3099, 0.3053



9.8085, 0.2605, 0.1209



1.0053, 0.2676, 0.1248

Inverse Universe

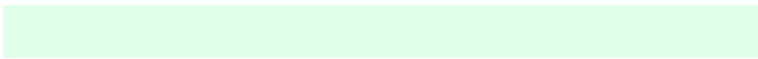
The Inverse Universe completely reimagines the original color for something new.



81.5361, 0.3285, 0.3221



77.6756, 0.3327, 0.3205



93.5810, 0.3072, 0.3512



18.0588, 0.3256, 0.3233



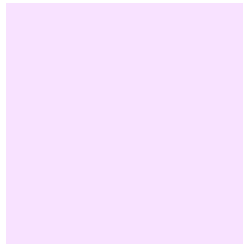
11.3066, 0.5964, 0.3059



1.1171, 0.5651, 0.2887

Previews

White Background



This preview shows how the Yxy color 81.5692, 0.3093, 0.3005 looks on a white background.

Color Contrast Check

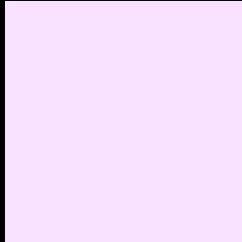
Large Text (above 18pt) WCAG AA × Fail

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 81.5692, 0.3093, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

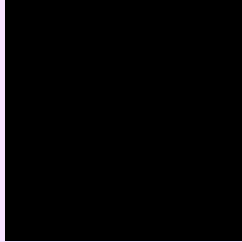
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

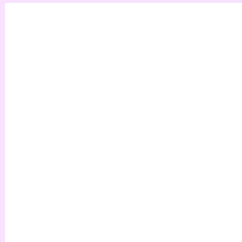
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5692, 0.3093, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 81.5692, 0.3093, 0.3005.

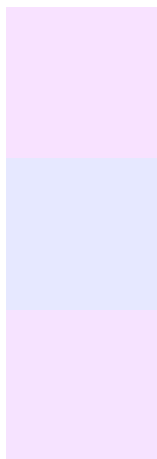


This preview shows how white text looks on a background with the Yxy color 81.5692, 0.3093, 0.3005.

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

81.5692, 0.3093, 0.3005

Protanopia

81.7562, 0.2974, 0.3056

Deuteranopia

81.7510, 0.3079, 0.3014



Tritanopia

81.8535, 0.3149, 0.3121

Trichromacy



Original Color

81.5692, 0.3093, 0.3005

Protanomaly

81.8182, 0.3019, 0.3039

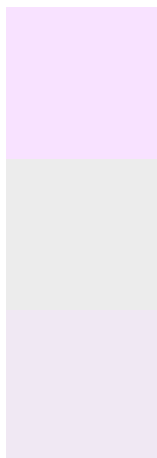
Deuteranomaly

81.9323, 0.3086, 0.3014

Tritanomaly

81.5519, 0.3124, 0.3072

Monochromacy



Original Color

81.5692, 0.3093, 0.3005

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

82.7096, 0.3112, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5692, 0.3093, 0.3005 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(248, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 226, 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(248, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.5692, 0.3093, 0.3005 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(248, 226, 255) }
```

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

```
.border{ border-color:rgb(248, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5692, 0.3093, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 226, 255) }
```

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

```
.background{ background-color: rgb(248,  
226, 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](#).

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