

Converting Colors

$Y_{xy}(78.7563, 0.3201, 0.3025)$

Have a look what the booklet for
Yxy(78.7563, 0.3201, 0.3025)
contains.

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Color

Yxy(78.5769, 0.3203, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	FFDBF6
RGB	255, 219, 246
RGB Percent	100%, 86%, 96%
CMY	0.0001, 0.1411, 0.0352
CMYK	0.00, 0.14, 0.04, 0.00
HSL	315°, 100%, 93%
HSV	315°, 14%, 100%
XYZ	83.2006, 78.5769, 97.9808
YIQ	232.8420, 12.7890, 16.0290

Conversions

Conversions Part 2

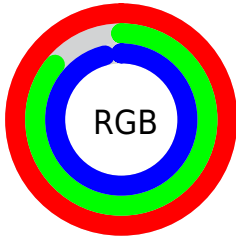
Format	Color
R _Y B	255, 219, 246
Decimal	16767990
CIE Lab	91.04, 16.91, -8.53
CIE LCh	91, 18.940, 333.223
Yxy	78.5769, 0.3203, 0.3025
Android (android.graphics.Color)	4294958070 (0xFFFFDBF6)
YUV	232.8420, 6.4869, 19.4326
Hunter-Lab	88.6436, 12.4132, -3.4848

Details

The Yxy color $78.5769, 0.3203, 0.3025$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $92.1667, 0.3059, 0.3570$, and the grayscale version is $81.3046, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.2744, 0.3216, 0.2965$ is the 20% darker color. If you saturate the color by 10%, you get $65.8951, 0.3268, 0.2830$, and if you desaturate by 10%, it is $93.3166, 0.3147, 0.3215$.

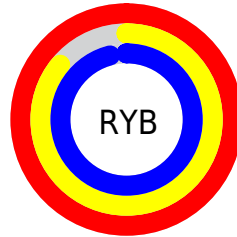
Distribution



Red (100%)

Green (86%)

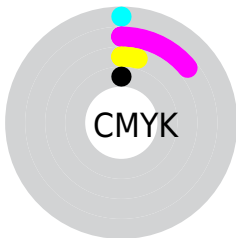
Blue (96%)



Red (100%)

Yellow (86%)

Blue (96%)

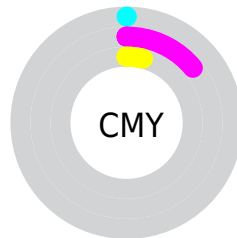


Cyan (0%)

Magenta (14%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (14%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5769, 0.3203, 0.3025 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 78.5769, 0.3203, 0.3025 by changing the saturation by 10% instead.


 78.5769, 0.3203,
0.3025

 78.5769, 0.3203,
0.3025

490.1238, 0.3170,
0.3143

 58.5480, 0.3210,
0.2999


131.3631, 0.3192,
0.3065

 42.2494, 0.3219,
0.2967


164.8891, 0.3187,
0.3081

 29.2966, 0.3230,
0.2928

203.6830, 0.3183,
0.3095

 19.3053, 0.3244,
0.2877

248.1291, 0.3180,
0.3107

 11.8911, 0.3261,
0.2811

298.6119, 0.3177,
0.3118

 6.6696, 0.3286,
0.2718

355.5156, 0.3174,

 3.2563, 0.3320,

0.3127

0.2583

419.2248, 0.3172,
0.3136

■ 1.2670, 0.3374,
0.2364

■ 0.1154, 0.3841,
0.0849

■ 78.5769, 0.3203,
0.3025

■ 78.5769, 0.3203,
0.3025

■ 65.8951, 0.3268,
0.2830

■ 93.3166, 0.3147,
0.3215

■ 55.1683, 0.3342,
0.2634

99.9954, 0.3127,
0.3290

■ 46.3003, 0.3425,
0.2446

■ 39.1826, 0.3517,
0.2274

■ 33.6954, 0.3616,
0.2131

■ 29.7039, 0.3718,
0.2025

■ 27.0514, 0.3821,
0.1964

■ 25.5464, 0.3920,
0.1953

■ 25.0363, 0.3978,
0.1965

Harmonies

Analogous

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



78.5769, 0.2980, 0.2932



78.5769, 0.3203, 0.3025



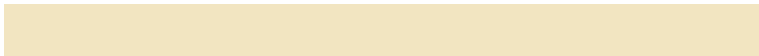
78.5769, 0.3412, 0.3182

Triad

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



78.5769, 0.3203, 0.3025



78.5769, 0.3456, 0.3661



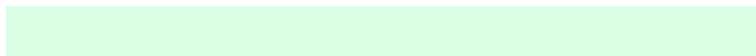
78.5769, 0.2727, 0.3186

Complementary

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



78.5769, 0.3203, 0.3025



92.1667, 0.3059, 0.3570

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.



78.5769, 0.2846, 0.3394



78.5769, 0.3203, 0.3025



78.5769, 0.3264, 0.3677

Square

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



78.5769, 0.3203, 0.3025



78.5769, 0.3561, 0.3546



78.5769, 0.3041, 0.3579



78.5769, 0.2711, 0.3017

Rectangle

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



78.5769, 0.3203, 0.3025



78.5769, 0.3512, 0.3307



78.5769, 0.3041, 0.3579



78.5769, 0.2756, 0.3254

Sweetspot

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



78.5803, 0.3203, 0.3025



93.5012, 0.3147, 0.3217



74.2855, 0.2955, 0.2920



19.7597, 0.3151, 0.3203



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.



78.5803, 0.3203, 0.3025



74.7158, 0.3221, 0.2969



77.5607, 0.3322, 0.3195



18.2185, 0.3176, 0.3113



13.1100, 0.3962, 0.1956



1.2939, 0.3857, 0.1898

Inverse Universe

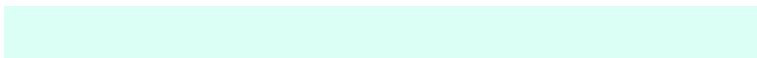
The Inverse Universe completely reimagines the original color for something new.



78.5803, 0.3203, 0.3025



74.7158, 0.3221, 0.2969



93.1828, 0.2963, 0.3388



18.2185, 0.3176, 0.3113



13.1100, 0.3962, 0.1956



1.2939, 0.3857, 0.1898

Previews

White Background



This preview shows how the Yxy color 78.5769, 0.3203, 0.3025 looks on a white background.

Color Contrast Check

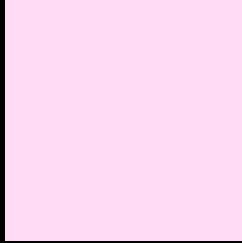
Large Text (above 18pt) WCAG AA × Fail

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 78.5769, 0.3203, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

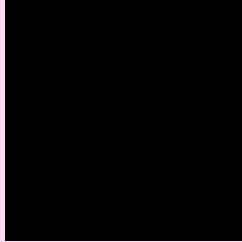
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5769, 0.3203, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 78.5769, 0.3203, 0.3025.

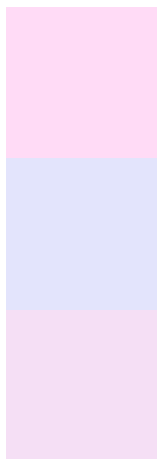


This preview shows how white text looks on a background with the Yxy color 78.5769, 0.3203, 0.3025.

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

78.5769, 0.3203, 0.3025

Protanopia

78.8460, 0.2972, 0.3043

Deuteranopia

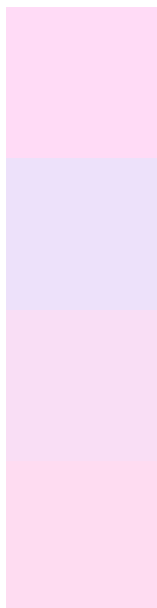
78.7804, 0.3138, 0.3070



Tritanopia

78.4303, 0.3249, 0.3112

Trichromacy



Original Color

78.5769, 0.3203, 0.3025

Protanomaly

78.7571, 0.3050, 0.3037

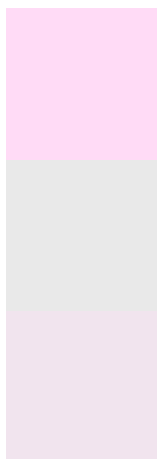
Deuteranomaly

78.9749, 0.3166, 0.3061

Tritanomaly

78.6081, 0.3229, 0.3083

Monochromacy



Original Color

78.5769, 0.3203, 0.3025

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.3606, 0.3153, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5769, 0.3203, 0.3025 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, 219, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 246)  
}
```

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, 219, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 246) }
```

Border

The CSS property to change the border of an element to Yxy 78.5769, 0.3203, 0.3025 is called "border". The border property can be set on classes, ids or directly on the HTML element.

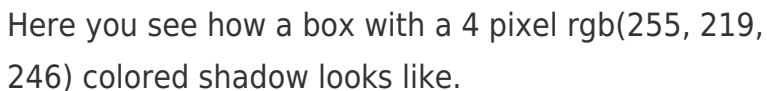
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 219, 246) }
```

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

```
.border{ border-color:rgb(255, 219, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 219, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 219, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 219, 246); box-shadow:4px 4px 4px 4px rgb(255, 219, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5769, 0.3203, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 246) }
```

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

```
.background{ background-color: rgb(255,  
219, 246) }
```

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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