

Converting Colors

$Y_{xy}(76.8172, 0.3152, 0.2906)$

Have a look what the booklet for
Yxy(76.8172, 0.3152, 0.2906)
contains.

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Color

Yxy(77.0166, 0.3152, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	FFD7FE
RGB	255, 215, 254
RGB Percent	100%, 84%, 100%
CMY	0.0001, 0.1568, 0.0040
CMYK	0.00, 0.16, 0.00, 0.00
HSL	301°, 100%, 92%
HSV	301°, 16%, 100%
XYZ	83.4214, 77.0166, 104.2238
YIQ	231.4060, 11.3210, 20.6090

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 215, 254
Decimal	16766974
CIE Lab	90.33, 20.41, -13.78
CIE LCh	90, 24.623, 325.970
Yxy	77.0166, 0.3152, 0.2910
Android (android.graphics.Color)	4294957054 (0xFFFFD7FE)
YUV	231.4060, 11.1388, 20.6919
Hunter-Lab	87.7591, 16.0988, -8.9822

Details

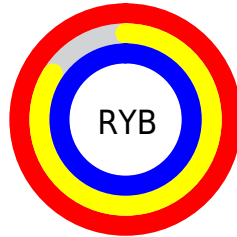
The Yxy color $77.0166, 0.3152, 0.2910$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $90.9131, 0.3102, 0.3702$, and the grayscale version is $80.1387, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.1786, 0.3158, 0.2831$ is the 20% darker color. If you saturate the color by 10%, you get $64.9891, 0.3169, 0.2663$, and if you desaturate by 10%, it is $91.0745, 0.3136, 0.3155$.

Distribution



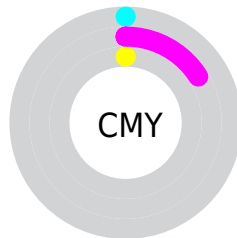
- Red (100%)
- Green (84%)
- Blue (100%)



- Red (100%)
- Yellow (84%)
- Blue (100%)



- Cyan (0%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0166, 0.3152, 0.2910 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 77.0166, 0.3152, 0.2910 by changing the saturation by 10% instead.


 77.0166, 0.3152,
0.2910

 77.0166, 0.3152,
0.2910

484.8206, 0.3143,
0.3079

 57.2665, 0.3154,
0.2873

129.1629, 0.3149,
0.2967

 41.2192, 0.3155,
0.2828

162.3279, 0.3148,
0.2990

 28.4904, 0.3157,
0.2773


200.7333, 0.3147,
0.3009

 18.6957, 0.3159,
0.2702

244.7636, 0.3146,
0.3027

 11.4506, 0.3160,
0.2610

294.8030, 0.3145,
0.3042

 6.3708, 0.3160,
0.2483

351.2361, 0.3144,

 3.0718, 0.3156,

0.3055

0.2299

414.4472, 0.3144,
0.3068

■ 1.1693, 0.3139,
0.2011

■ 0.0365, 0.3388,
0.0232

■ 77.0166, 0.3152,
0.2910

■ 77.0166, 0.3152,
0.2910

■ 64.9891, 0.3169,
0.2663

■ 91.0745, 0.3136,
0.3155

■ 54.8885, 0.3186,
0.2423

99.9956, 0.3127,
0.3290

■ 46.6175, 0.3204,
0.2197

■ 40.0660, 0.3220,
0.1997

■ 35.1124, 0.3236,
0.1831

■ 31.6190, 0.3249,
0.1705

■ 29.4252, 0.3261,
0.1624

■ 28.3317, 0.3270,
0.1585

■ 28.0745, 0.3273,
0.1577

Harmonies

Analogous

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



77.0166, 0.2869, 0.2815



77.0166, 0.3152, 0.2910



77.0166, 0.3440, 0.3094

Triad

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



77.0166, 0.3152, 0.2910



77.0166, 0.3602, 0.3747



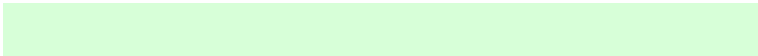
77.0166, 0.2633, 0.3214

Complementary

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



77.0166, 0.3152, 0.2910



90.9131, 0.3102, 0.3702

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.



77.0166, 0.2813, 0.3492



77.0166, 0.3152, 0.2910



77.0166, 0.3371, 0.3809

Square

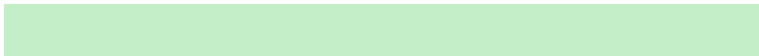
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0166, 0.3152, 0.2910



77.0166, 0.3706, 0.3568



77.0166, 0.3082, 0.3717



77.0166, 0.2580, 0.2975

Rectangle

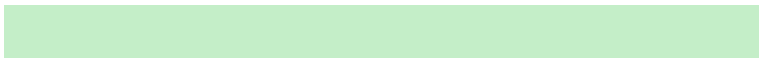
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0166, 0.3152, 0.2910



77.0166, 0.3592, 0.3249



77.0166, 0.3082, 0.3717



77.0166, 0.2680, 0.3306

Sweetspot

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



77.0199, 0.3152, 0.2910



92.1129, 0.3135, 0.3171



70.3784, 0.2876, 0.2868



19.4878, 0.3136, 0.3154



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.



77.0199, 0.3152, 0.2910



72.8109, 0.3158, 0.2828



75.8245, 0.3286, 0.3098



18.2922, 0.3142, 0.3062



14.6760, 0.3272, 0.1576



1.4313, 0.3264, 0.1572

Inverse Universe

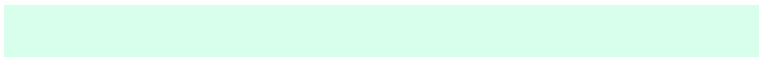
The Inverse Universe completely reimagines the original color for something new.



77.0199, 0.3152, 0.2910



72.8109, 0.3158, 0.2828



91.9915, 0.2993, 0.3490



18.2922, 0.3142, 0.3062



14.6760, 0.3272, 0.1576



1.4313, 0.3264, 0.1572

Previews

White Background



This preview shows how the Yxy color 77.0166, 0.3152, 0.2910 looks on a white background.

Color Contrast Check

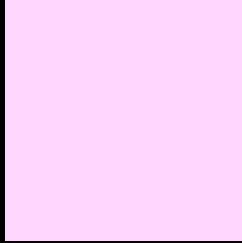
Large Text (above 18pt) WCAG AA × Fail

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 77.0166, 0.3152, 0.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

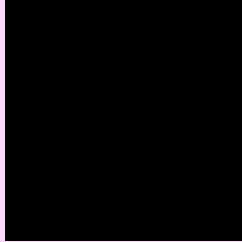
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.0166, 0.3152, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 77.0166, 0.3152, 0.2910.



This preview shows how white text looks on a background with the Yxy color 77.0166, 0.3152, 0.2910.

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

77.0166, 0.3152, 0.2910

Protanopia

77.3007, 0.2927, 0.2990

Deuteranopia

76.9819, 0.3039, 0.2967



Tritanopia

76.8364, 0.3257, 0.3120

Trichromacy



Original Color

77.0166, 0.3152, 0.2910

Protanomaly

77.1247, 0.3006, 0.2956

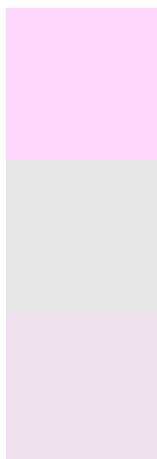
Deuteranomaly

76.9880, 0.3080, 0.2951

Tritanomaly

76.9192, 0.3217, 0.3042

Monochromacy



Original Color

77.0166, 0.3152, 0.2910

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

78.6077, 0.3141, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0166, 0.3152, 0.2910 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, 215, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 254)  
}
```

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, 215, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 254) }
```

Border

The CSS property to change the border of an element to Yxy 77.0166, 0.3152, 0.2910 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, 215, 254) }
```

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

```
.border{ border-color:rgb(255, 215, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0166, 0.3152, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 254) }
```

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

```
.background{ background-color: rgb(255,  
215, 254) }
```

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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