

Converting Colors

$Y_{xy}(77.8248, 0.3161, 0.2942)$

Have a look what the booklet for
Yxy(77.8248, 0.3161, 0.2942)
contains.

Yxy(77.9140, 0.3164, 0.2948)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.9140, 0.3164, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	FFD9FC
RGB	255, 217, 252
RGB Percent	100%, 85%, 99%
CMY	0.0001, 0.1490, 0.0116
CMYK	0.00, 0.15, 0.01, 0.00
HSL	305°, 100%, 93%
HSV	305°, 15%, 100%
XYZ	83.6228, 77.9140, 102.7577
YIQ	232.3520, 11.4130, 18.9410

Conversions

Conversions Part 2

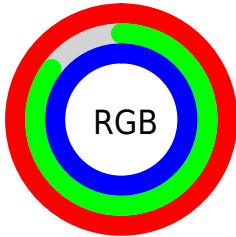
Format	Color
R_{YB}	255, 217, 252
Decimal	16767484
CIE _{Lab}	90.74, 19.02, -12.14
CIE _{LCh}	91, 22.563, 327.444
Yxy	77.9140, 0.3164, 0.2948
Android (android.graphics.Color)	4294957564 (0xFFFFD9FC)
YUV	232.3520, 9.6865, 19.8623
Hunter-Lab	88.2689, 14.6338, -7.2338

Details

The Yxy color $77.9140, 0.3164, 0.2948$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91.4260, 0.3092, 0.3658$, and the grayscale version is $80.8952, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.7866, 0.3174, 0.2880$ is the 20% darker color. If you saturate the color by 10%, you get $65.6472, 0.3192, 0.2713$, and if you desaturate by 10%, it is $92.2196, 0.3139, 0.3180$.

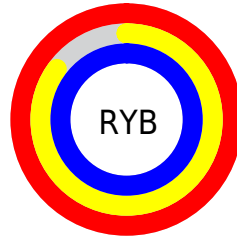
Distribution



Red (100%)

Green (85%)

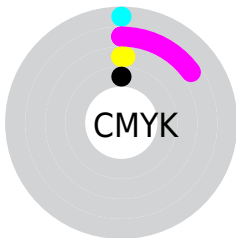
Blue (99%)



Red (100%)

Yellow (85%)

Blue (99%)

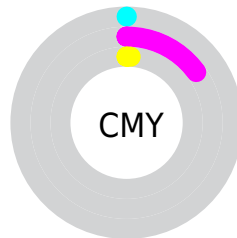


Cyan (0%)

Magenta (15%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9140, 0.3164, 0.2948 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 77.9140, 0.3164, 0.2948 by changing the saturation by 10% instead.


 77.9140, 0.3164,
0.2948

 77.9140, 0.3164,
0.2948


487.8747, 0.3149,
0.3100

 58.0033, 0.3167,
0.2915


130.4289, 0.3159,
0.3000

 41.8113, 0.3170,
0.2874


163.8019, 0.3157,
0.3020

 28.9536, 0.3174,
0.2824


202.4311, 0.3156,
0.3038

 19.0457, 0.3179,
0.2760

246.7010, 0.3154,
0.3053

 11.7033, 0.3184,
0.2676

296.9959, 0.3153,
0.3067

 6.5420, 0.3191,
0.2561

353.7002, 0.3151,

 3.1774, 0.3197,

0.3079

0.2393

417.1984, 0.3150,
0.3090

■ 1.2250, 0.3199,
0.2128

■ 0.0820, 0.3470,
0.0525

■ 77.9140, 0.3164,
0.2948

■ 77.9140, 0.3164,
0.2948

■ 65.6472, 0.3192,
0.2713

■ 92.2196, 0.3139,
0.3180

■ 55.3161, 0.3222,
0.2482

99.9965, 0.3127,
0.3290

■ 46.8238, 0.3254,
0.2263

■ 40.0614, 0.3287,
0.2067

■ 34.9080, 0.3319,
0.1903

■ 31.2275, 0.3351,
0.1779

■ 28.8614, 0.3380,
0.1699

■ 27.6143, 0.3406,
0.1663

■ 27.2673, 0.3418,
0.1657

Harmonies

Analogous

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



77.9140, 0.2903, 0.2857



77.9140, 0.3164, 0.2948



77.9140, 0.3424, 0.3121

Triad

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



77.9140, 0.3164, 0.2948



77.9140, 0.3553, 0.3714



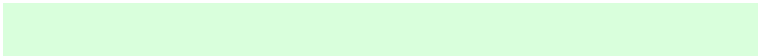
77.9140, 0.2669, 0.3210

Complementary

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



77.9140, 0.3164, 0.2948



91.4260, 0.3092, 0.3658

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.



77.9140, 0.2830, 0.3462



77.9140, 0.3164, 0.2948



77.9140, 0.3339, 0.3762

Square

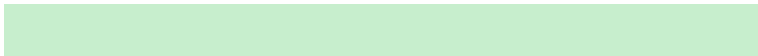
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9140, 0.3164, 0.2948



77.9140, 0.3654, 0.3555



77.9140, 0.3073, 0.3670



77.9140, 0.2627, 0.2994

Rectangle

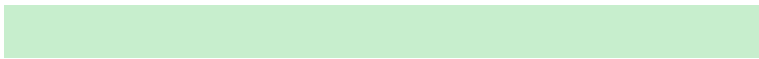
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9140, 0.3164, 0.2948



77.9140, 0.3559, 0.3264



77.9140, 0.3073, 0.3670



77.9140, 0.2711, 0.3293

Sweetspot

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



77.9174, 0.3164, 0.2948



93.6130, 0.3136, 0.3200



71.9930, 0.2902, 0.2892



19.7881, 0.3138, 0.3183



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.



77.9174, 0.3164, 0.2948



73.9030, 0.3172, 0.2875



76.7964, 0.3291, 0.3127



18.2746, 0.3150, 0.3074



14.2603, 0.3414, 0.1655



1.3954, 0.3388, 0.1640

Inverse Universe

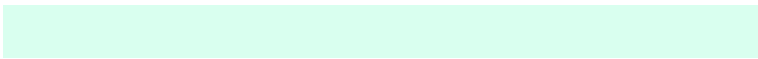
The Inverse Universe completely reimagines the original color for something new.



77.9174, 0.3164, 0.2948



73.9030, 0.3172, 0.2875



92.4653, 0.2989, 0.3459



18.2746, 0.3150, 0.3074



14.2603, 0.3414, 0.1655



1.3954, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 77.9140, 0.3164, 0.2948 looks on a white background.

Color Contrast Check

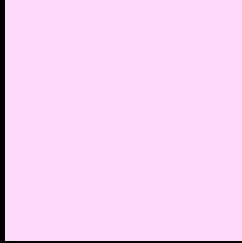
Large Text (above 18pt) WCAG AA × Fail

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 77.9140, 0.3164, 0.2948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

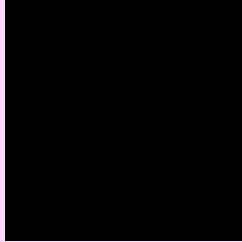
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

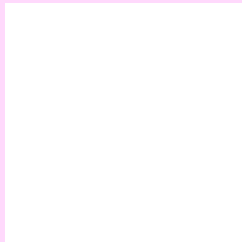
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9140, 0.3164, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 77.9140, 0.3164, 0.2948.

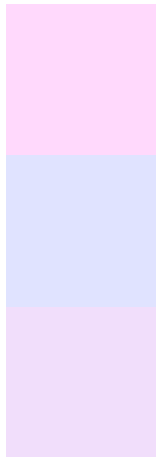


This preview shows how white text looks on a background with the Yxy color 77.9140, 0.3164, 0.2948.

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

77.9140, 0.3164, 0.2948

Protanopia

78.0055, 0.2934, 0.3001

Deuteranopia

77.9084, 0.3072, 0.2999



Tritanopia

78.1835, 0.3249, 0.3121

Trichromacy



Original Color

77.9140, 0.3164, 0.2948

Protanomaly

77.5933, 0.3012, 0.2976

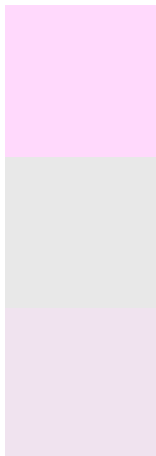
Deuteranomaly

77.7443, 0.3107, 0.2981

Tritanomaly

78.1447, 0.3223, 0.3063

Monochromacy



Original Color

77.9140, 0.3164, 0.2948

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

79.6954, 0.3140, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9140, 0.3164, 0.2948 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, 217, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 252)  
}
```

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, 217, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 252) }
```

Border

The CSS property to change the border of an element to Yxy 77.9140, 0.3164, 0.2948 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, 217, 252) }
```

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

```
.border{ border-color:rgb(255, 217, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9140, 0.3164, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 252) }
```

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

```
.background{ background-color: rgb(255,  
217, 252) }
```

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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