

Converting Colors

$Y_{xy}(70.1751, 0.3106, 0.2777)$

Have a look what the booklet for
Yxy(70.1751, 0.3106, 0.2777)
contains.

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Color

Yxy(70.0716, 0.3107, 0.2775)

Conversions

Conversions Part 1

Format	Color
Hex	F9CBFF
RGB	249, 203, 255
RGB Percent	98%, 80%, 100%
CMY	0.0238, 0.2038, 0.0001
CMYK	0.02, 0.20, 0.00, 0.00
HSL	293°, 100%, 90%
HSV	293°, 20%, 100%
XYZ	78.4549, 70.0716, 103.9837
YIQ	222.6820, 10.7240, 25.9240

Conversions

Conversions Part 2

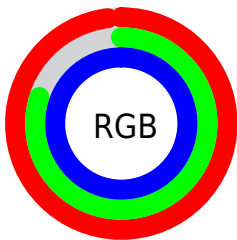
Format	Color
R_{YB}	249, 203, 255
Decimal	16370687
CIE _{Lab}	87.03, 24.92, -19.31
CIE _{LCh}	87, 31.530, 322.228
Yxy	70.0716, 0.3107, 0.2775
Android (android.graphics.Color)	4294560767 (0xFFFF9CBFF)
YUV	222.6820, 15.9328, 23.0809
Hunter-Lab	83.7088, 20.8064, -15.0544

Details

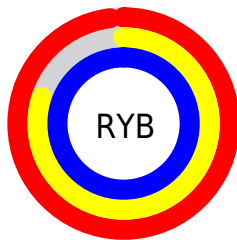
The Yxy color $70.0716, 0.3107, 0.2775$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.3893, 0.3138, 0.3850$, and the grayscale version is $73.4323, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.7786, 0.3099, 0.2670$ is the 20% darker color. If you saturate the color by 10%, you get $58.4627, 0.3092, 0.2515$, and if you desaturate by 10%, it is $83.6758, 0.3118, 0.3032$.

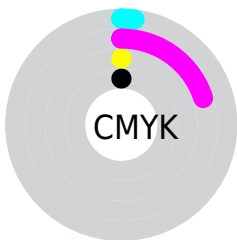
Distribution



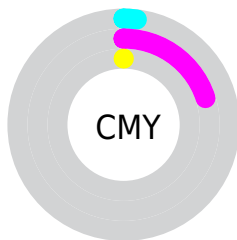
- Red (98%)
- Green (80%)
- Blue (100%)



- Red (98%)
- Yellow (80%)
- Blue (100%)



- Cyan (2%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0716, 0.3107, 0.2775 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 70.0716, 0.3107, 0.2775 by changing the saturation by 10% instead.

 70.0716, 0.3107,
0.2775

 70.0716, 0.3107,
0.2775


460.8014, 0.3120,
0.3005

 51.5849, 0.3103,
0.2725


119.3109, 0.3112,
0.2853

 36.6743, 0.3098,
0.2663


150.8322, 0.3114,
0.2884

 24.9554, 0.3091,
0.2587


187.4672, 0.3116,
0.2911

 16.0439, 0.3080,
0.2490

229.6003, 0.3117,
0.2934

 9.5552, 0.3064,
0.2363

277.6159, 0.3118,
0.2955

 5.1050, 0.3038,
0.2190

331.8983, 0.3119,

 2.3090, 0.2990,

0.2973

0.1939

392.8320, 0.3120,
0.2990

0.7785, 0.2894,
0.1547

0.0000, 0.2298,
0.0000

70.0716, 0.3107,
0.2775

70.0716, 0.3107,
0.2775

58.4627, 0.3092,
0.2515

83.6758, 0.3118,
0.3032

48.7432, 0.3074,
0.2262

99.3563, 0.3127,
0.3281

40.8113, 0.3052,
0.2025

99.9990, 0.3127,
0.3290

34.5519, 0.3028,
0.1814

■ 29.8364, 0.3000,
0.1640

■ 26.5174, 0.2971,
0.1509

■ 24.4189, 0.2941,
0.1424

■ 23.2796, 0.2912,
0.1378

Harmonies

Analogous

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



70.0716, 0.2746, 0.2668



70.0716, 0.3107, 0.2775



70.0716, 0.3495, 0.2999

Triad

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



70.0716, 0.3107, 0.2775



70.0716, 0.3780, 0.3865



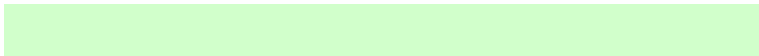
70.0716, 0.2502, 0.3228

Complementary

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



70.0716, 0.3107, 0.2775



89.3893, 0.3138, 0.3850

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.



70.0716, 0.2751, 0.3602



70.0716, 0.3107, 0.2775



70.0716, 0.3488, 0.3982

Square

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



70.0716, 0.3107, 0.2775



70.0716, 0.3896, 0.3608



70.0716, 0.3110, 0.3891



70.0716, 0.2414, 0.2902

Rectangle

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



70.0716, 0.3107, 0.2775



70.0716, 0.3710, 0.3192



70.0716, 0.3110, 0.3891



70.0716, 0.2569, 0.3353

Sweetspot

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



70.0746, 0.3107, 0.2775



90.2878, 0.3122, 0.3143



65.5661, 0.2789, 0.2792



19.1089, 0.3122, 0.3126



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.



70.0746, 0.3107, 0.2775



65.6496, 0.3102, 0.2681



69.9857, 0.3293, 0.2970



18.1868, 0.3119, 0.3055



12.2085, 0.2917, 0.1380



1.2178, 0.2952, 0.1400

Inverse Universe

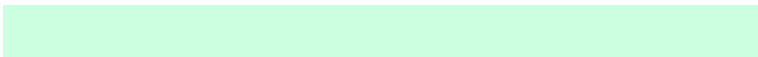
The Inverse Universe completely reimagines the original color for something new.



68.5906, 0.3489, 0.3229



63.9678, 0.3572, 0.3218



89.5358, 0.2991, 0.3634



18.0214, 0.3276, 0.3263



11.1677, 0.6262, 0.3223



1.0979, 0.6027, 0.3094

Previews

White Background



This preview shows how the Yxy color 70.0716, 0.3107, 0.2775 looks on a white background.

Color Contrast Check

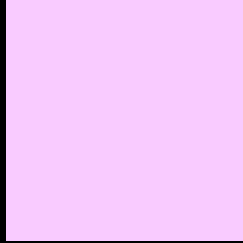
Large Text (above 18pt) WCAG AA × Fail

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 70.0716, 0.3107, 0.2775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

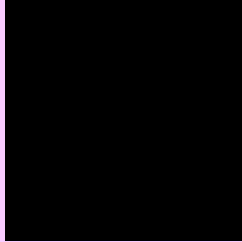
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0716, 0.3107, 0.2775

Background



This preview shows how black text looks on a background with the Yxy color 70.0716, 0.3107, 0.2775.



This preview shows how white text looks on a background with the Yxy color 70.0716, 0.3107, 0.2775.

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

70.0716, 0.3107, 0.2775

Protanopia

70.5473, 0.2840, 0.2885

Deuteranopia

70.3683, 0.2936, 0.2872



Tritanopia

69.9605, 0.3286, 0.3115

Trichromacy



Original Color

70.0716, 0.3107, 0.2775

Protanomaly

70.1543, 0.2931, 0.2842

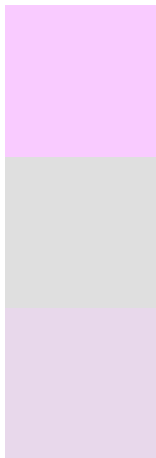
Deuteranomaly

69.9125, 0.2992, 0.2828

Tritanomaly

69.7916, 0.3216, 0.2984

Monochromacy



Original Color

70.0716, 0.3107, 0.2775

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.2657, 0.3115, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0716, 0.3107, 0.2775 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(249, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 203, 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(249, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.0716, 0.3107, 0.2775 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(249, 203, 255) }
```

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

```
.border{ border-color:rgb(249, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0716, 0.3107, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 203, 255) }
```

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

```
.background{ background-color: rgb(249,  
203, 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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