

Converting Colors

$Y_{xy}(70.3604, 0.3130, 0.2772)$

Have a look what the booklet for
Yxy(70.3604, 0.3130, 0.2772)
contains.

Yxy(70.1565, 0.3130, 0.2768)	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(70.1565, 0.3130, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	FCCAFF
RGB	252, 202, 255
RGB Percent	99%, 79%, 100%
CMY	0.0115, 0.2079, 0.0000
CMYK	0.01, 0.21, 0.00, 0.00
HSL	297°, 100%, 90%
HSV	297°, 21%, 100%
XYZ	79.3316, 70.1565, 103.9675
YIQ	222.9920, 12.7870, 27.0830

Conversions

Conversions Part 2

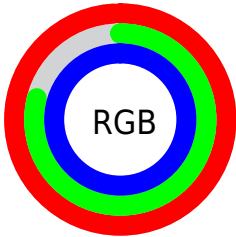
Format	Color
R_{YB}	252, 202, 255
Decimal	16567039
CIE _{Lab}	87.07, 26.48, -19.23
CIE _{LCh}	87, 32.730, 324.016
Yxy	70.1565, 0.3130, 0.2768
Android (android.graphics.Color)	4294757119 (0xFFFCFAFF)
YUV	222.9920, 15.7799, 25.4400
Hunter-Lab	83.7595, 22.4846, -14.9628

Details

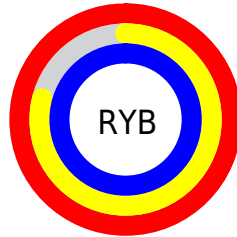
The Yxy color **70.1565, 0.3130, 0.2768** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.7511, 0.3118, 0.3866**, and the grayscale version is **73.6699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8591, 0.3128, 0.2663** is the 20% darker color. If you saturate the color by 10%, you get **58.9040, 0.3129, 0.2514**, and if you desaturate by 10%, it is **83.3940, 0.3129, 0.3023**.

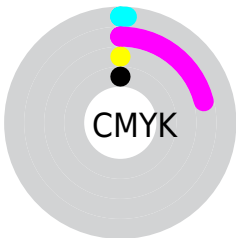
Distribution



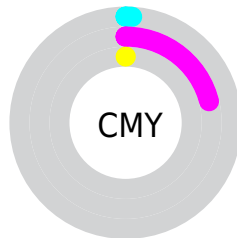
- Red (99%)
- Green (79%)
- Blue (100%)



- Red (99%)
- Yellow (79%)
- Blue (100%)



- Cyan (1%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1565, 0.3130, 0.2768 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 70.1565, 0.3130, 0.2768 by changing the saturation by 10% instead.


 70.1565, 0.3130,
0.2768

 70.1565, 0.3130,
0.2768


461.0993, 0.3133,
0.3000

 51.6541, 0.3128,
0.2717


119.4319, 0.3132,
0.2847

 36.7295, 0.3126,
0.2655

150.9737, 0.3132,
0.2878

 24.9981, 0.3122,
0.2578


187.6308, 0.3133,
0.2905

 16.0756, 0.3116,
0.2481

229.7876, 0.3133,
0.2929

 9.5777, 0.3107,
0.2353

277.8285, 0.3133,
0.2950

 5.1199, 0.3089,
0.2178


332.1378, 0.3133,


 2.3178, 0.3054,


0.2969


0.1927


393.0999, 0.3133,
0.2985

 0.7831, 0.2979,
0.1536


 0.0000, 0.2545,
0.0000

 70.1565, 0.3130,
0.2768


 70.1565, 0.3130,
0.2768


 58.9040, 0.3129,
0.2514


 83.3940, 0.3129,
0.3023

 49.5305, 0.3126,
0.2268

 98.6978, 0.3127,
0.3271

 41.9337, 0.3121,
0.2042

 100.0000, 0.3127,
0.3290

 35.9980, 0.3114,
0.1845

■ 31.5941, 0.3105,
0.1686

■ 28.5739, 0.3093,
0.1570

■ 26.7597, 0.3081,
0.1498

■ 25.8980, 0.3068,
0.1464

Harmonies

Analogous

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



70.1565, 0.2751, 0.2649



70.1565, 0.3130, 0.2768



70.1565, 0.3531, 0.3005

Triad

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



70.1565, 0.3130, 0.2768



70.1565, 0.3790, 0.3897



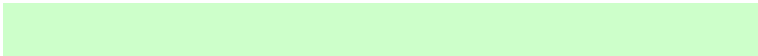
70.1565, 0.2469, 0.3201

Complementary

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



70.1565, 0.3130, 0.2768



88.7511, 0.3118, 0.3866

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.



70.1565, 0.2717, 0.3592



70.1565, 0.3130, 0.2768



70.1565, 0.3478, 0.4009

Square

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



70.1565, 0.3130, 0.2768



70.1565, 0.3924, 0.3636



70.1565, 0.3084, 0.3902



70.1565, 0.2389, 0.2870

Rectangle

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



70.1565, 0.3130, 0.2768



70.1565, 0.3749, 0.3206



70.1565, 0.3084, 0.3902



70.1565, 0.2535, 0.3331

Sweetspot

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



70.1595, 0.3130, 0.2768



90.4632, 0.3129, 0.3143



63.6840, 0.2779, 0.2750



19.1505, 0.3129, 0.3127



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.



70.1595, 0.3130, 0.2768



65.1869, 0.3130, 0.2660



69.3201, 0.3317, 0.2989



18.2461, 0.3129, 0.3055



13.5544, 0.3070, 0.1465



1.3348, 0.3087, 0.1474

Inverse Universe

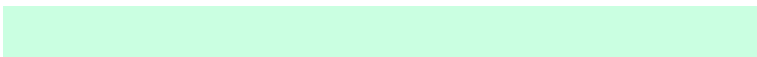
The Inverse Universe completely reimagines the original color for something new.



67.8963, 0.3524, 0.3261



62.5610, 0.3629, 0.3255



89.5079, 0.2974, 0.3612



18.0034, 0.3286, 0.3277



11.1320, 0.6345, 0.3269



1.0894, 0.6215, 0.3197

Previews

White Background



This preview shows how the Yxy color 70.1565, 0.3130, 0.2768 looks on a white background.

Color Contrast Check

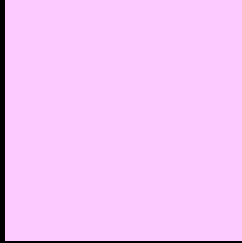
Large Text (above 18pt) WCAG AA × Fail

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 70.1565, 0.3130, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

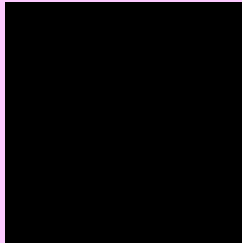
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1565, 0.3130, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 70.1565, 0.3130, 0.2768.



This preview shows how white text looks on a background with the Yxy color 70.1565, 0.3130, 0.2768.

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

70.1565, 0.3130, 0.2768

Protanopia

70.5473, 0.2840, 0.2885

Deuteranopia

70.3683, 0.2936, 0.2872



Tritanopia

70.4500, 0.3316, 0.3126

Trichromacy



Original Color

70.1565, 0.3130, 0.2768



Protanomaly

70.3145, 0.2937, 0.2843



Deuteranomaly

70.2491, 0.3006, 0.2830



Tritanomaly

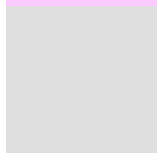
70.2805, 0.3246, 0.2996

Monochromacy



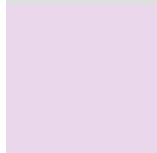
Original Color

70.1565, 0.3130, 0.2768



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

72.0915, 0.3130, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1565, 0.3130, 0.2768 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(252, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 202, 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(252, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.1565, 0.3130, 0.2768 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(252, 202, 255) }
```

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

```
.border{ border-color:rgb(252, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1565, 0.3130, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 202, 255) }
```

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

```
.background{ background-color: rgb(252,  
202, 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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