

Converting Colors

$Y_{xy}(72.0282, 0.2731, 0.2190)$

Have a look what the booklet for
Yxy(72.0282, 0.2731, 0.2190)
contains.

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Color

Yxy(67.3953, 0.3132, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	FCC4FF
RGB	252, 196, 255
RGB Percent	99%, 77%, 100%
CMY	0.0116, 0.2314, 0.0000
CMYK	0.01, 0.23, 0.00, 0.00
HSL	297°, 100%, 88%
HSV	297°, 23%, 100%
XYZ	77.9476, 67.3953, 103.5319
YIQ	219.4700, 14.4370, 30.2210

Conversions

Conversions Part 2

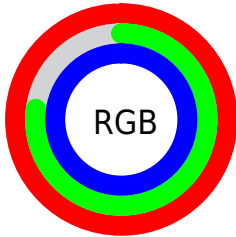
Format	Color
R _Y B	252, 196, 255
Decimal	16565503
CIE Lab	85.70, 29.64, -21.32
CIE LCh	86, 36.508, 324.273
Yxy	67.3953, 0.3132, 0.2708
Android (android.graphics.Color)	4294755583 (0xFFFC4FF)
YUV	219.4700, 17.5163, 28.5288
Hunter-Lab	82.0946, 25.8174, -17.3061

Details

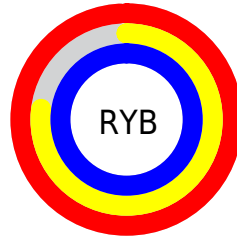
The Yxy color **67.3953, 0.3132, 0.2708** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.6405, 0.3115, 0.3941**, and the grayscale version is **71.0518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **35.0253, 0.3131, 0.2588** is the 20% darker color. If you saturate the color by 10%, you get **56.6163, 0.3132, 0.2456**, and if you desaturate by 10%, it is **80.1328, 0.3131, 0.2963**.

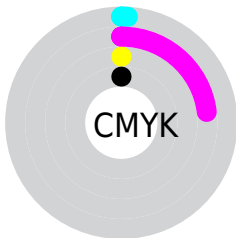
Distribution



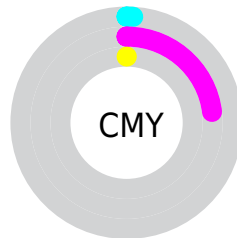
- Red (99%)
- Green (77%)
- Blue (100%)



- Red (99%)
- Yellow (77%)
- Blue (100%)



- Cyan (1%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3953, 0.3132, 0.2708 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 67.3953, 0.3132, 0.2708 by changing the saturation by 10% instead.


 67.3953, 0.3132,
0.2708

 67.3953, 0.3132,
0.2708

451.3505, 0.3135,
0.2967

 49.4059, 0.3130,
0.2651


 115.4867, 0.3134,
0.2796

 34.9416, 0.3127,
0.2582


146.3574, 0.3135,
0.2831

 23.6179, 0.3123,
0.2496


182.2908, 0.3135,
0.2861

 15.0504, 0.3116,
0.2388

223.6712, 0.3135,
0.2888

 8.8548, 0.3104,
0.2245

270.8830, 0.3135,
0.2911

 4.6466, 0.3082,
0.2051


324.3105, 0.3135,


 2.0414, 0.3038,


0.2932


0.1774


384.3382, 0.3135,
0.2951


 0.6314, 0.2954,
0.1312


 0.0000, 0.2182,
0.0000


 67.3953, 0.3132,
0.2708


 67.3953, 0.3132,
0.2708

 56.6163, 0.3132,
0.2456

 80.1328, 0.3131,
0.2963

 47.6939, 0.3130,
0.2215

 94.9176, 0.3128,
0.3213

 40.5217, 0.3126,
0.1995

100.0000, 0.3127,
0.3290

 34.9814, 0.3120,
0.1807

■ 30.9397, 0.3111,
0.1659

■ 28.2427, 0.3101,
0.1555

■ 26.7032, 0.3090,
0.1493

■ 26.1311, 0.3081,
0.1471

Harmonies

Analogous

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



67.3953, 0.2706, 0.2574



67.3953, 0.3132, 0.2708



67.3953, 0.3587, 0.2972

Triad

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



67.3953, 0.3132, 0.2708



67.3953, 0.3871, 0.3973



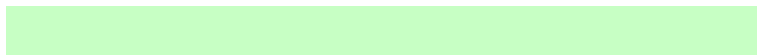
67.3953, 0.2386, 0.3182

Complementary

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



67.3953, 0.3132, 0.2708



87.6405, 0.3115, 0.3941

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.



67.3953, 0.2661, 0.3629



67.3953, 0.3132, 0.2708



67.3953, 0.3516, 0.4106

Square

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



67.3953, 0.3132, 0.2708



67.3953, 0.4028, 0.3675



67.3953, 0.3071, 0.3987



67.3953, 0.2300, 0.2811

Rectangle

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



67.3953, 0.3132, 0.2708



67.3953, 0.3834, 0.3196



67.3953, 0.3071, 0.3987



67.3953, 0.2458, 0.3329

Sweetspot

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



67.3963, 0.3132, 0.2708



88.9656, 0.3129, 0.3118



60.2264, 0.2735, 0.2681



18.8491, 0.3129, 0.3103



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.



67.3963, 0.3132, 0.2708



61.9211, 0.3132, 0.2585



66.4153, 0.3343, 0.2953



18.2512, 0.3130, 0.3055



13.6743, 0.3083, 0.1472



1.3451, 0.3099, 0.1481

Inverse Universe

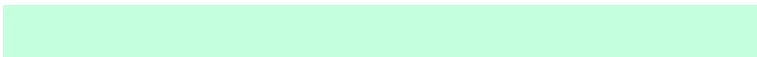
The Inverse Universe completely reimagines the original color for something new.



64.8555, 0.3584, 0.3261



58.9709, 0.3713, 0.3254



88.5044, 0.2958, 0.3653



18.0019, 0.3287, 0.3278



11.1299, 0.6350, 0.3272



1.0886, 0.6232, 0.3207

Previews

White Background



This preview shows how the Yxy color 67.3953, 0.3132, 0.2708 looks on a white background.

Color Contrast Check

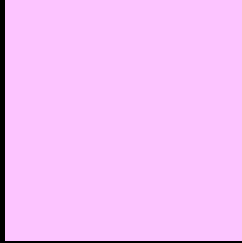
Large Text (above 18pt) WCAG AA × Fail

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 67.3953, 0.3132, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

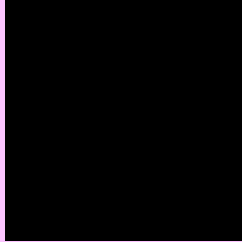
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.3953, 0.3132, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 67.3953, 0.3132, 0.2708.



This preview shows how white text looks on a background with the Yxy color 67.3953, 0.3132, 0.2708.

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

67.3953, 0.3132, 0.2708

Protanopia

67.7876, 0.2805, 0.2837

Deuteranopia

67.3809, 0.2901, 0.2833



Tritanopia

67.5480, 0.3359, 0.3135

Trichromacy



Original Color

67.3953, 0.3132, 0.2708



Protanomaly

67.3752, 0.2916, 0.2787



Deuteranomaly

67.1006, 0.2984, 0.2783



Tritanomaly

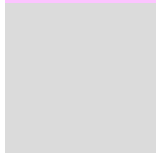
67.2178, 0.3280, 0.2974

Monochromacy



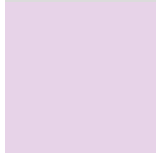
Original Color

67.3953, 0.3132, 0.2708



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

69.4037, 0.3130, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3953, 0.3132, 0.2708 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, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 196, 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, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.3953, 0.3132, 0.2708 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, 196, 255) }
```

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

```
.border{ border-color:rgb(252, 196, 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, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3953, 0.3132, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 196, 255) }
```

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

```
.background{ background-color: rgb(252,  
196, 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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