

Converting Colors

$Y_{xy}(37.7630, 0.4205, 0.2970)$

Have a look what the booklet for
Yxy(37.7630, 0.4205, 0.2970)
contains.

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Color

Yxy(37.7630, 0.4205, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	FC7D9C
RGB	252, 125, 156
RGB Percent	99%, 49%, 61%
CMY	0.0120, 0.5096, 0.3883
CMYK	0.00, 0.50, 0.38, 0.01
HSL	345°, 95%, 74%
HSV	345°, 50%, 99%
XYZ	53.4658, 37.7630, 35.9194
YIQ	166.5070, 65.7410, 36.5650

Conversions

Conversions Part 2

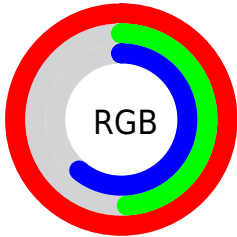
Format	Color
R _Y B	252, 125, 156
Decimal	16547228
CIE Lab	67.85, 51.34, 6.37
CIE LCh	68, 51.736, 7.071
Yxy	37.7630, 0.4205, 0.2970
Android (android.graphics.Color)	4294737308 (0xFFFC7D9C)
YUV	166.5070, -5.1800, 74.9774
Hunter-Lab	61.4516, 47.7631, 8.3603

Details

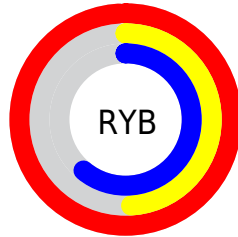
The Yxy color **37.7630, 0.4205, 0.2970** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.1748, 0.2604, 0.3662**, and the grayscale version is **38.3979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9609, 0.3522, 0.2992**, and **16.7329, 0.4539, 0.2862** is the 20% darker color. If you saturate the color by 10%, you get **31.5763, 0.4558, 0.2926**, and if you desaturate by 10%, it is **45.6725, 0.3901, 0.3029**.

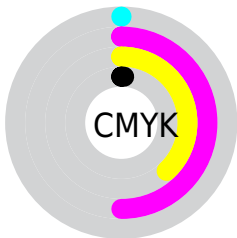
Distribution



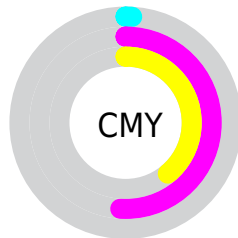
- Red (99%)
- Green (49%)
- Blue (61%)



- Red (99%)
- Yellow (49%)
- Blue (61%)



- Cyan (0%)
- Magenta (50%)
- Yellow (38%)
- Black (1%)





- Cyan (1%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7630, 0.4205, 0.2970 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 37.7630, 0.4205, 0.2970 by changing the saturation by 10% instead.


 37.7630, 0.4205,
0.2970


 37.7630, 0.4205,
0.2970


336.6022, 0.3646,
0.3144

 25.7988, 0.4350,
0.2922

 71.7447, 0.3998,
0.3037

 16.6732, 0.4539,
0.2858


 94.5311, 0.3921,
0.3061

 10.0018, 0.4794,
0.2769


 121.6935, 0.3857,
0.3081

 5.4001, 0.5156,
0.2638

153.6166, 0.3802,
0.3097

 2.4839, 0.5703,
0.2428

190.6846, 0.3755,
0.3112

 0.8686, 0.6703,
0.2091

233.2819, 0.3714,


 0.0000, 1.0000,


0.3124


0.0000

281.7930, 0.3678,
0.3135

 0.0000, 0.0000,
0.0000


 37.7630, 0.4205,
0.2970


 37.7630, 0.4205,
0.2970


 31.5763, 0.4558,
0.2926


 45.6725, 0.3901,
0.3029


 26.9772, 0.4947,
0.2908


 55.4152, 0.3646,
0.3095

 23.8194, 0.5344,
0.2927

 67.0989, 0.3438,
0.3162

 21.9267, 0.5709,
0.2987

 80.8214, 0.3269,
0.3227

 21.0282, 0.5993,
0.3075

 96.6742, 0.3132,
0.3288

99.4265, 0.3108,
0.3290

Harmonies

Analogous

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



37.7630, 0.3455, 0.2507



37.7630, 0.4205, 0.2970



37.7630, 0.4629, 0.3521

Triad

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



37.7630, 0.4205, 0.2970



37.7630, 0.3417, 0.4712



37.7630, 0.1835, 0.2294

Complementary

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



37.7630, 0.4205, 0.2970



79.1748, 0.2604, 0.3662

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.



37.7630, 0.1826, 0.2765



37.7630, 0.4205, 0.2970



37.7630, 0.2685, 0.4318

Square

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



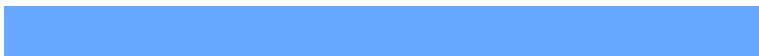
37.7630, 0.4205, 0.2970



37.7630, 0.4109, 0.4560



37.7630, 0.2114, 0.3522



37.7630, 0.2126, 0.2123

Rectangle

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



37.7630, 0.4205, 0.2970



37.7630, 0.4643, 0.3902



37.7630, 0.2114, 0.3522



37.7630, 0.1801, 0.2416

Sweetspot

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



37.7649, 0.4205, 0.2970



76.2522, 0.3343, 0.3197



36.9544, 0.2902, 0.1968



15.6912, 0.3379, 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.



37.7649, 0.4205, 0.2970



32.6359, 0.4545, 0.2927



46.2049, 0.4382, 0.3625



17.2946, 0.3255, 0.3232



10.9779, 0.5952, 0.3053



1.0327, 0.5623, 0.2871

Inverse Universe

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



37.7649, 0.4205, 0.2970



32.6359, 0.4545, 0.2927



62.6932, 0.2395, 0.2905



17.2946, 0.3255, 0.3232



10.9779, 0.5952, 0.3053



1.0327, 0.5623, 0.2871

Previews

White Background



This preview shows how the Yxy color 37.7630, 0.4205, 0.2970 looks on a white background.

Color Contrast Check

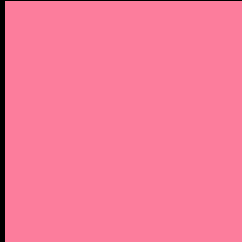
Large Text (above 18pt) WCAG AA × Fail

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 37.7630, 0.4205, 0.2970 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 37.7630, 0.4205, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 37.7630, 0.4205, 0.2970.



This preview shows how white text looks on a background with the Yxy color 37.7630, 0.4205, 0.2970.

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

37.7630, 0.4205, 0.2970

Protanopia

38.1643, 0.3009, 0.3094

Deuteranopia

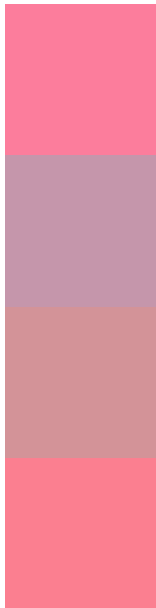
37.9084, 0.3487, 0.3427



Tritanopia

37.5685, 0.4399, 0.3199

Trichromacy



Original Color

37.7630, 0.4205, 0.2970

Protanomaly

36.6233, 0.3403, 0.3019

Deuteranomaly

36.9833, 0.3751, 0.3229

Tritanomaly

37.7016, 0.4331, 0.3116

Monochromacy



Original Color

37.7630, 0.4205, 0.2970

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.1066, 0.3489, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7630, 0.4205, 0.2970 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, 125, 156)` looks like.

```
.text, #text, p{  
    color:rgb(252, 125, 156)  
}
```

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, 125, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 125, 156) }
```

Border

The CSS property to change the border of an element to Yxy 37.7630, 0.4205, 0.2970 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, 125, 156) }
```

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

```
.border{ border-color:rgb(252, 125, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 125, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 125, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 125, 156);  
box-shadow:4px 4px 4px 4px rgb(252, 125,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7630, 0.4205, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 125, 156) }
```

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

```
.background{ background-color: rgb(252,  
125, 156) }
```

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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