

Converting Colors

$Y_{xy}(40.3502, 0.3917, 0.2791)$

Have a look what the booklet for
Yxy(40.3502, 0.3917, 0.2791)
contains.

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Color

Yxy(40.1827, 0.3916, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	FC83B3
RGB	252, 131, 179
RGB Percent	99%, 51%, 70%
CMY	0.0118, 0.4863, 0.2980
CMYK	0.00, 0.48, 0.29, 0.01
HSL	336°, 95%, 75%
HSV	336°, 48%, 99%
XYZ	56.3998, 40.1827, 47.4415
YIQ	172.6510, 56.7080, 40.5800

Conversions

Conversions Part 2

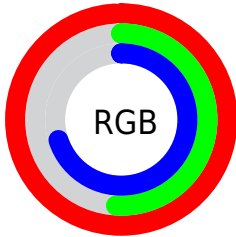
Format	Color
R _Y B	252, 131, 179
Decimal	16548787
CIE Lab	69.60, 51.20, -4.04
CIE LCh	70, 51.357, 355.492
Yxy	40.1827, 0.3916, 0.2790
Android (android.graphics.Color)	4294738867 (0xFFFC83B3)
YUV	172.6510, 3.1301, 69.5891
Hunter-Lab	63.3898, 47.8845, -0.0003

Details

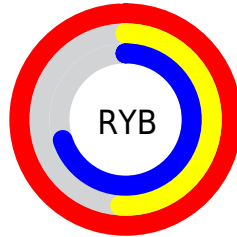
The Yxy color **40.1827, 0.3916, 0.2790** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **78.8063, 0.2709, 0.3876**, and the grayscale version is **41.5661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7988, 0.3309, 0.2808**, and **18.1516, 0.4159, 0.2657** is the 20% darker color. If you saturate the color by 10%, you get **33.6371, 0.4177, 0.2704**, and if you desaturate by 10%, it is **48.4459, 0.3691, 0.2892**.

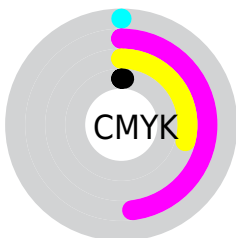
Distribution



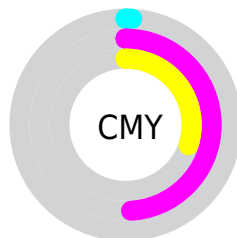
- Red (99%)
- Green (51%)
- Blue (70%)



- Red (99%)
- Yellow (51%)
- Blue (70%)



- Cyan (0%)
- Magenta (48%)
- Yellow (29%)
- Black (1%)





- Cyan (1%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1827, 0.3916, 0.2790 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 40.1827, 0.3916, 0.2790 by changing the saturation by 10% instead.


 40.1827, 0.3916,
0.2790


 40.1827, 0.3916,
0.2790


346.8930, 0.3516,
0.3040

 27.6810, 0.4017,
0.2728


 75.4416, 0.3770,
0.2881

 18.0853, 0.4147,
0.2649


 98.9677, 0.3715,
0.2915

 11.0113, 0.4322,
0.2544


 126.9373, 0.3669,
0.2944

 6.0744, 0.4566,
0.2399

159.7349, 0.3629,
0.2968

 2.8904, 0.4931,
0.2187

197.7449, 0.3595,
0.2990

 1.0748, 0.5525,
0.1853

241.3517, 0.3566,

 0.0000, 0.8437,

0.3009

0.0000

290.9396, 0.3539,
0.3025

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

40.1827, 0.3916,
0.2790

40.1827, 0.3916,
0.2790

33.6371, 0.4177,
0.2704

48.4459, 0.3691,
0.2892

28.6796, 0.4470,
0.2646

58.5321, 0.3501,
0.3000

25.1717, 0.4782,
0.2629

70.5451, 0.3343,
0.3107

22.9479, 0.5094,
0.2663

84.5791, 0.3214,
0.3211

■ 21.7841, 0.5383,
0.2750

99.4358, 0.3109,
0.3290

■ 21.6159, 0.5438,
0.2769

Harmonies

Analogous

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



40.1827, 0.3146, 0.2390



40.1827, 0.3916, 0.2790



40.1827, 0.4482, 0.3306

Triad

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



40.1827, 0.3916, 0.2790



40.1827, 0.3688, 0.4671



40.1827, 0.1829, 0.2461

Complementary

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



40.1827, 0.3916, 0.2790



78.8063, 0.2709, 0.3876

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.



40.1827, 0.1931, 0.3039



40.1827, 0.3916, 0.2790



40.1827, 0.2967, 0.4498

Square

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



40.1827, 0.3916, 0.2790



40.1827, 0.4297, 0.4376



40.1827, 0.2327, 0.3833



40.1827, 0.2008, 0.2183

Rectangle

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



40.1827, 0.3916, 0.2790



40.1827, 0.4621, 0.3677



40.1827, 0.2327, 0.3833



40.1827, 0.1831, 0.2621

Sweetspot

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



40.1847, 0.3916, 0.2790



77.9896, 0.3288, 0.3150



36.0431, 0.2760, 0.1970



16.0472, 0.3317, 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.



40.1847, 0.3916, 0.2790



34.5418, 0.4178, 0.2704



42.0104, 0.4403, 0.3420



17.3393, 0.3231, 0.3196



11.2869, 0.5395, 0.2746



1.0656, 0.5078, 0.2571

Inverse Universe

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



40.1847, 0.3916, 0.2790



34.5418, 0.4178, 0.2704



74.1163, 0.2465, 0.3147



17.3393, 0.3231, 0.3196



11.2869, 0.5395, 0.2746



1.0656, 0.5078, 0.2571

Previews

White Background



This preview shows how the Yxy color 40.1827, 0.3916, 0.2790 looks on a white background.

Color Contrast Check

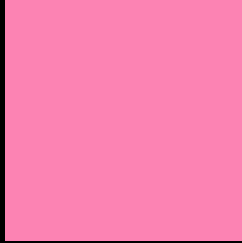
Large Text (above 18pt) WCAG AA × Fail

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 40.1827, 0.3916, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

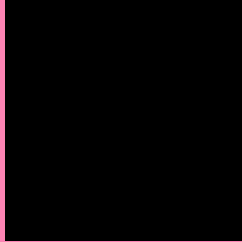
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1827, 0.3916, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 40.1827, 0.3916, 0.2790.

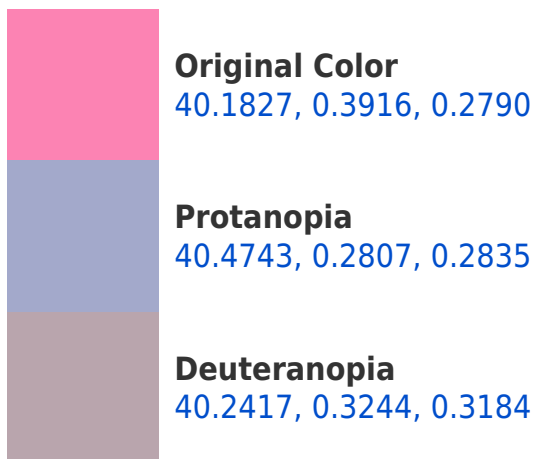


This preview shows how white text looks on a background with the Yxy color 40.1827, 0.3916, 0.2790.

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

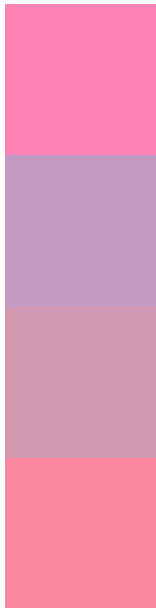




Tritanopia

40.1376, 0.4230, 0.3187

Trichromacy



Original Color

40.1827, 0.3916, 0.2790

Protanomaly

38.9398, 0.3160, 0.2799

Deuteranomaly

39.4329, 0.3477, 0.3019

Tritanomaly

40.1551, 0.4111, 0.3038

Monochromacy



Original Color

40.1827, 0.3916, 0.2790

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.1054, 0.3399, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1827, 0.3916, 0.2790 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, 131, 179)` looks like.

```
.text, #text, p{  
    color:rgb(252, 131, 179)  
}
```

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, 131, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 131, 179) }
```

Border

The CSS property to change the border of an element to Yxy 40.1827, 0.3916, 0.2790 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, 131, 179) }
```

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

```
.border{ border-color:rgb(252, 131, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 131, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 131, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 131, 179);  
box-shadow:4px 4px 4px 4px rgb(252, 131,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1827, 0.3916, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 131, 179) }
```

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

```
.background{ background-color: rgb(252,  
131, 179) }
```

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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