

Converting Colors

$Y_{xy}(40.6618, 0.3788, 0.2778)$

Have a look what the booklet for
Yxy(40.6618, 0.3788, 0.2778)
contains.

Yxy(40.6618, 0.3788, 0.2778)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6618, 0.3788, 0.2778)

Conversions

Conversions Part 1

Format	Color
Hex	F688B8
RGB	246, 136, 184
RGB Percent	96%, 53%, 72%
CMY	0.0355, 0.4665, 0.2785
CMYK	0.00, 0.45, 0.25, 0.04
HSL	334°, 86%, 75%
HSV	334°, 45%, 96%
XYZ	55.4452, 40.6618, 50.2637
YIQ	174.3620, 50.1520, 38.2480

Conversions

Conversions Part 2

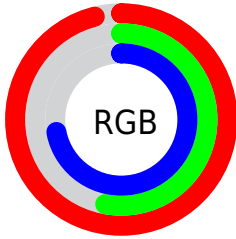
Format	Color
R _Y B	246, 136, 184
Decimal	16156856
CIE Lab	69.94, 47.35, -6.40
CIE LCh	70, 47.785, 352.301
Yxy	40.6618, 0.3788, 0.2778
Android (android.graphics.Color)	4294346936 (0xFFFF688B8)
YUV	174.3620, 4.7515, 62.8265
Hunter-Lab	63.7666, 43.6147, -2.0984

Details

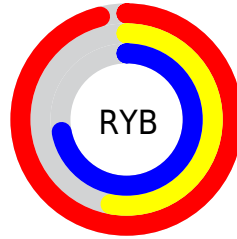
The Yxy color **40.6618, 0.3788, 0.2778** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **75.1920, 0.2752, 0.3884**, and the grayscale version is **42.4826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8129, 0.3267, 0.2801**, and **18.3900, 0.3975, 0.2641** is the 20% darker color. If you saturate the color by 10%, you get **33.9569, 0.4018, 0.2676**, and if you desaturate by 10%, it is **49.0170, 0.3591, 0.2893**.

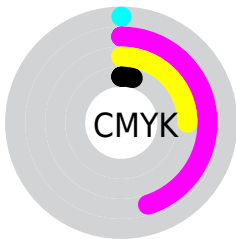
Distribution



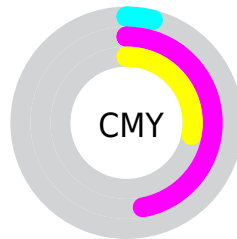
- Red (96%)
- Green (53%)
- Blue (72%)



- Red (96%)
- Yellow (53%)
- Blue (72%)



- Cyan (0%)
- Magenta (45%)
- Yellow (25%)
- Black (4%)



- Cyan (4%)
- Magenta (47%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6618, 0.3788, 0.2778 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 40.6618, 0.3788, 0.2778 by changing the saturation by 10% instead.


 40.6618, 0.3788,
0.2778


 40.6618, 0.3788,
0.2778


348.9051, 0.3455,
0.3031

 28.0549, 0.3872,
0.2716


 76.1702, 0.3667,
0.2869

 18.3671, 0.3979,
0.2637


 99.8406, 0.3621,
0.2904

 11.2138, 0.4123,
0.2533


 127.9675, 0.3583,
0.2933

 6.2109, 0.4323,
0.2391

160.9355, 0.3550,
0.2958

 2.9737, 0.4621,
0.2184

199.1288, 0.3521,
0.2980

 1.1180, 0.5107,
0.1863

242.9319, 0.3496,

 0.0000, 0.7298,

0.2999

0.0000

292.7292, 0.3475,
0.3016

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

40.6618, 0.3788,
0.2778

40.6618, 0.3788,
0.2778

33.9569, 0.4018,
0.2676

49.0170, 0.3591,
0.2893

28.7846, 0.4278,
0.2598

59.1178, 0.3425,
0.3011

25.0209, 0.4560,
0.2556

71.0593, 0.3287,
0.3128

22.5198, 0.4851,
0.2564

84.9279, 0.3173,
0.3240

■ 21.1020, 0.5130,
0.2627

■ 98.2143, 0.3081,
0.3306

■ 20.6498, 0.5271,
0.2677

■ 98.3224, 0.3071,
0.3290

Harmonies

Analogous

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



40.6618, 0.3073, 0.2415



40.6618, 0.3788, 0.2778



40.6618, 0.4343, 0.3258

Triad

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



40.6618, 0.3788, 0.2778



40.6618, 0.3727, 0.4559



40.6618, 0.1907, 0.2567

Complementary

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



40.6618, 0.3788, 0.2778



75.1920, 0.2752, 0.3884

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.



40.6618, 0.2036, 0.3136



40.6618, 0.3788, 0.2778



40.6618, 0.3056, 0.4442

Square

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



40.6618, 0.3788, 0.2778



40.6618, 0.4270, 0.4267



40.6618, 0.2440, 0.3870



40.6618, 0.2048, 0.2271

Rectangle

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



40.6618, 0.3788, 0.2778



40.6618, 0.4507, 0.3608



40.6618, 0.2440, 0.3870



40.6618, 0.1919, 0.2727

Sweetspot

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



40.6638, 0.3788, 0.2778



79.4971, 0.3266, 0.3147



36.0732, 0.2747, 0.2050



16.3477, 0.3294, 0.3122



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.



40.6638, 0.3788, 0.2778



37.2415, 0.4004, 0.2681



40.5711, 0.4300, 0.3353



16.6026, 0.3225, 0.3187



11.0550, 0.5230, 0.2655



0.9919, 0.4915, 0.2481

Inverse Universe

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



40.6638, 0.3788, 0.2778



37.2415, 0.4004, 0.2681



74.4724, 0.2514, 0.3224



16.6026, 0.3225, 0.3187



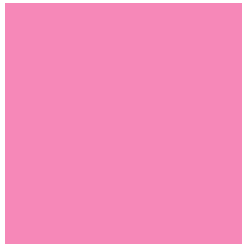
11.0550, 0.5230, 0.2655



0.9919, 0.4915, 0.2481

Previews

White Background



This preview shows how the Yxy color 40.6618, 0.3788, 0.2778 looks on a white background.

Color Contrast Check

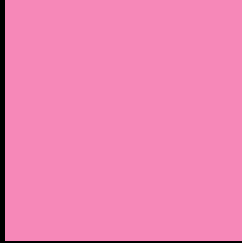
Large Text (above 18pt) WCAG AA × Fail

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 40.6618, 0.3788, 0.2778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

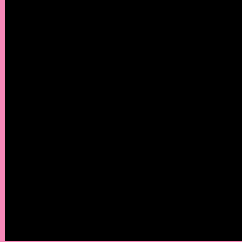
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6618, 0.3788, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 40.6618, 0.3788, 0.2778.

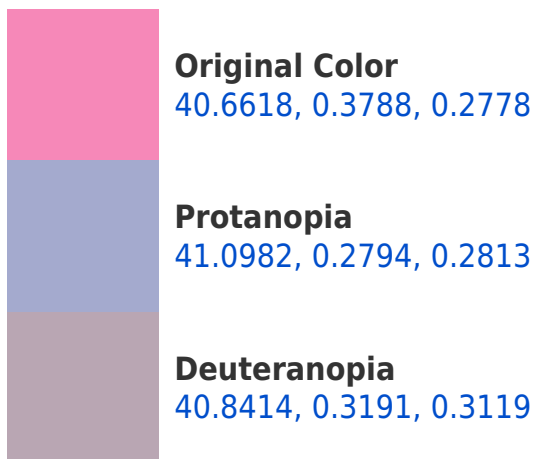


This preview shows how white text looks on a background with the Yxy color 40.6618, 0.3788, 0.2778.

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

40.6677, 0.4094, 0.3183

Trichromacy



Original Color

40.6618, 0.3788, 0.2778



Protanomaly

40.0003, 0.3114, 0.2788



Deuteranomaly

40.0443, 0.3395, 0.2969



Tritanomaly

40.6696, 0.3978, 0.3030

Monochromacy



Original Color

40.6618, 0.3788, 0.2778



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.6353, 0.3348, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6618, 0.3788, 0.2778 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(246, 136, 184)` looks like.

```
.text, #text, p{  
    color:rgb(246, 136, 184)  
}
```

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(246, 136, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 136, 184) }
```

Border

The CSS property to change the border of an element to Yxy 40.6618, 0.3788, 0.2778 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(246, 136, 184) }
```

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

```
.border{ border-color:rgb(246, 136, 184) }
```

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

Here you see how a box with a 4 pixel rgb(246, 136, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 136, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 136, 184);  
box-shadow:4px 4px 4px 4px rgb(246, 136,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6618, 0.3788, 0.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 136, 184) }
```

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

```
.background{ background-color: rgb(246,  
136, 184) }
```

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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