

Converting Colors

$Y_{xy}(40.9667, 0.3672, 0.2513)$

Have a look what the booklet for
Yxy(40.9667, 0.3672, 0.2513)
contains.

Yxy(41.0580, 0.3677, 0.2522)	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(41.0580, 0.3677, 0.2522)

Conversions

Conversions Part 1

Format	Color
Hex	FF80CC
RGB	255, 128, 204
RGB Percent	100%, 50%, 80%
CMY	0.0000, 0.4981, 0.2001
CMYK	0.00, 0.50, 0.20, 0.00
HSL	324°, 100%, 75%
HSV	324°, 50%, 100%
XYZ	59.8613, 41.0580, 61.8800
YIQ	174.6370, 51.2960, 50.5600

Conversions

Conversions Part 2

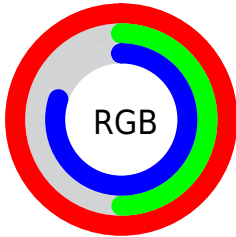
Format	Color
R _Y B	255, 128, 204
Decimal	16744652
CIE Lab	70.22, 56.96, -17.01
CIE LCh	70, 59.451, 343.370
Yxy	41.0580, 0.3677, 0.2522
Android (android.graphics.Color)	4294934732 (0xFFFF80CC)
YUV	174.6370, 14.4760, 70.4784
Hunter-Lab	64.0765, 54.6237, -12.4040

Details

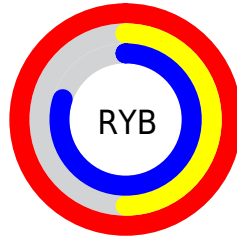
The Yxy color **41.0580, 0.3677, 0.2522** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **79.3646, 0.2818, 0.4236**, and the grayscale version is **42.5732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **18.7029, 0.3822, 0.2332** is the 20% darker color. If you saturate the color by 10%, you get **34.7436, 0.3841, 0.2394**, and if you desaturate by 10%, it is **49.0718, 0.3530, 0.2670**.

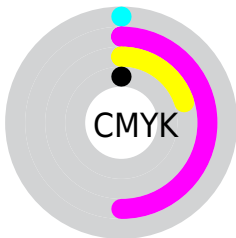
Distribution



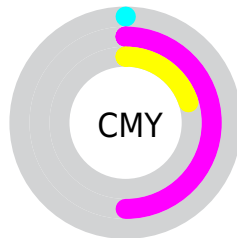
- Red (100%)
- Green (50%)
- Blue (80%)



- Red (100%)
- Yellow (50%)
- Blue (80%)



- Cyan (0%)
- Magenta (50%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0580, 0.3677, 0.2522 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 41.0580, 0.3677, 0.2522 by changing the saturation by 10% instead.


 41.0580, 0.3677,
0.2522


 41.0580, 0.3677,
0.2522


350.5630, 0.3410,
0.2888

 28.3644, 0.3741,
0.2436


 76.7719, 0.3582,
0.2651

 18.6005, 0.3822,
0.2330


 100.5611, 0.3545,
0.2700

 11.3820, 0.3927,
0.2193


 128.8175, 0.3514,
0.2743

 6.3244, 0.4069,
0.2013

161.9256, 0.3488,
0.2779

 3.0433, 0.4270,
0.1767

200.2698, 0.3464,
0.2812

 1.1544, 0.4572,
0.1414

244.2345, 0.3444,

 0.0240, 0.5516,

0.2840

0.0085

294.2041, 0.3426,
0.2865

■ 0.0000, 0.9725,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0580, 0.3677,
0.2522

■ 41.0580, 0.3677,
0.2522

■ 34.7436, 0.3841,
0.2394

■ 49.0718, 0.3530,
0.2670

■ 30.0064, 0.4020,
0.2298

■ 58.9061, 0.3403,
0.2828

■ 26.6977, 0.4207,
0.2246

■ 70.6638, 0.3294,
0.2988

■ 24.6428, 0.4395,
0.2246

■ 84.4418, 0.3203,
0.3144

■ 23.5624, 0.4577,
0.2296

100.0000, 0.3127,
0.3290

■ 23.5450, 0.4580,
0.2297

Harmonies

Analogous

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



41.0580, 0.2800, 0.2155



41.0580, 0.3677, 0.2522



41.0580, 0.4471, 0.3048

Triad

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



41.0580, 0.3677, 0.2522



41.0580, 0.4048, 0.4769



41.0580, 0.1677, 0.2557

Complementary

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



41.0580, 0.3677, 0.2522



79.3646, 0.2818, 0.4236

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.



41.0580, 0.1912, 0.3342



41.0580, 0.3677, 0.2522



41.0580, 0.3256, 0.4857

Square

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



41.0580, 0.3677, 0.2522



41.0580, 0.4641, 0.4269



41.0580, 0.2473, 0.4286



41.0580, 0.1754, 0.2124

Rectangle

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



41.0580, 0.3677, 0.2522



41.0580, 0.4772, 0.3447



41.0580, 0.2473, 0.4286



41.0580, 0.1719, 0.2781

Sweetspot

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



41.0560, 0.3677, 0.2522



77.0264, 0.3248, 0.3064



32.2173, 0.2532, 0.1841



15.8769, 0.3268, 0.3031



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.



41.0560, 0.3677, 0.2522



34.6367, 0.3844, 0.2392



38.6117, 0.4403, 0.3163



18.1696, 0.3200, 0.3149



12.3331, 0.4552, 0.2281



1.2225, 0.4356, 0.2173

Inverse Universe

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



41.0560, 0.3677, 0.2522



34.6367, 0.3844, 0.2392



82.5378, 0.2528, 0.3436



18.1696, 0.3200, 0.3149



12.3331, 0.4552, 0.2281



1.2225, 0.4356, 0.2173

Previews

White Background



This preview shows how the Yxy color 41.0580, 0.3677, 0.2522 looks on a white background.

Color Contrast Check

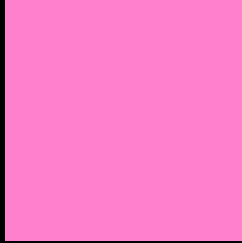
Large Text (above 18pt) WCAG AA × Fail

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 41.0580, 0.3677, 0.2522 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 41.0580, 0.3677, 0.2522

Background



This preview shows how black text looks on a background with the Yxy color 41.0580, 0.3677, 0.2522.

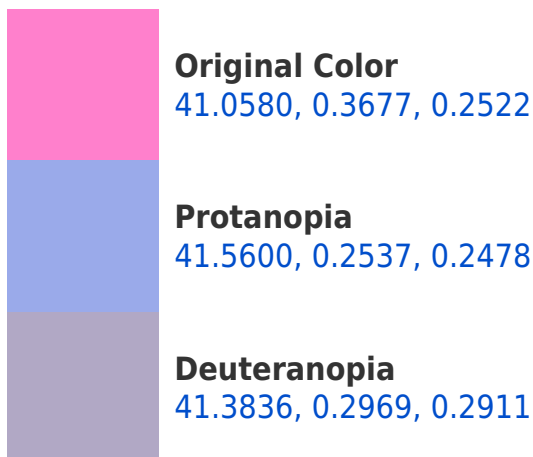


This preview shows how white text looks on a background with the Yxy color 41.0580, 0.3677, 0.2522.

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

40.9912, 0.4196, 0.3176

Trichromacy



Original Color

41.0580, 0.3677, 0.2522



Protanomaly

39.8468, 0.2882, 0.2468



Deuteranomaly

39.9317, 0.3201, 0.2720



Tritanomaly

40.9257, 0.4006, 0.2924

Monochromacy



Original Color

41.0580, 0.3677, 0.2522



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

40.8363, 0.3315, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0580, 0.3677, 0.2522 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(255, 128, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 204)  
}
```

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(255, 128, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 204) }
```

Border

The CSS property to change the border of an element to Yxy 41.0580, 0.3677, 0.2522 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(255, 128, 204) }
```

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

```
.border{ border-color:rgb(255, 128, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0580, 0.3677, 0.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 204) }
```

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

```
.background{ background-color: rgb(255,  
128, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor