

Converting Colors

$Y_{xy}(40.4155, 0.3565, 0.2451)$

Have a look what the booklet for
Yxy(40.4155, 0.3565, 0.2451)
contains.

Yxy(40.4155, 0.3565, 0.2451)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.4155, 0.3565, 0.2451)

Conversions

Conversions Part 1

Format	Color
Hex	FA80D2
RGB	250, 128, 210
RGB Percent	98%, 50%, 82%
CMY	0.0195, 0.4981, 0.1764
CMYK	0.00, 0.49, 0.16, 0.02
HSL	320°, 92%, 74%
HSV	320°, 49%, 98%
XYZ	58.7847, 40.4155, 65.6937
YIQ	173.8260, 46.3900, 51.3660

Conversions

Conversions Part 2

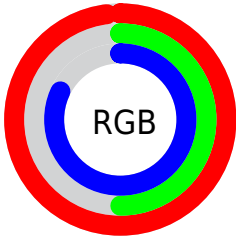
Format	Color
R_{YB}	250, 128, 210
Decimal	16416978
CIE _{Lab}	69.76, 56.33, -21.13
CIE _{LCh}	70, 60.161, 339.438
Yxy	40.4155, 0.3565, 0.2451
Android (android.graphics.Color)	4294607058 (0xFFFA80D2)
YUV	173.8260, 17.8338, 66.8046
Hunter-Lab	63.5732, 53.8018, -16.7665

Details

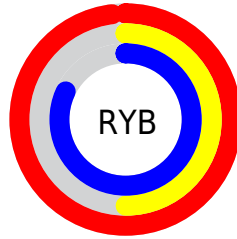
The Yxy color **40.4155, 0.3565, 0.2451** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **75.7991, 0.2867, 0.4332**, and the grayscale version is **42.1227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **18.2080, 0.3680, 0.2249** is the 20% darker color. If you saturate the color by 10%, you get **34.2819, 0.3693, 0.2305**, and if you desaturate by 10%, it is **48.1804, 0.3449, 0.2617**.

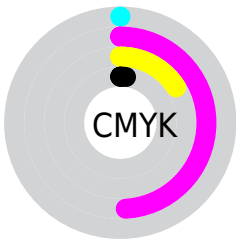
Distribution



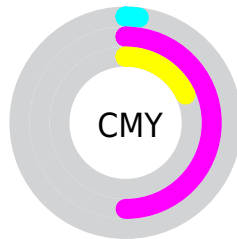
- Red (98%)
- Green (50%)
- Blue (82%)



- Red (98%)
- Yellow (50%)
- Blue (82%)



- Cyan (0%)
- Magenta (49%)
- Yellow (16%)
- Black (2%)





- Cyan (2%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4155, 0.3565, 0.2451 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 40.4155, 0.3565, 0.2451 by changing the saturation by 10% instead.


 40.4155, 0.3565,
0.2451


 40.4155, 0.3565,
0.2451


347.8717, 0.3357,
0.2848


 27.8627, 0.3614,
0.2359


 75.7958, 0.3492,
0.2590

 18.2221, 0.3675,
0.2245


 99.3921, 0.3463,
0.2644

 11.1096, 0.3752,
0.2099


 127.4382, 0.3439,
0.2690

 6.1406, 0.3855,
0.1909

160.3187, 0.3418,
0.2730

 2.9308, 0.3996,
0.1652

198.4179, 0.3400,
0.2765

 1.0957, 0.4197,
0.1290

242.1202, 0.3384,

 0.0000, 0.4875,

0.2796

0.0000

291.8100, 0.3369,
0.2823

■ 0.0000, 0.5504,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4155, 0.3565,
0.2451

■ 40.4155, 0.3565,
0.2451

■ 34.2819, 0.3693,
0.2305

■ 48.1804, 0.3449,
0.2617

■ 29.6532, 0.3832,
0.2191

■ 57.6790, 0.3347,
0.2792

■ 26.3941, 0.3975,
0.2119

■ 69.0122, 0.3259,
0.2970

■ 24.3419, 0.4119,
0.2097

■ 82.2714, 0.3184,
0.3143

■ 23.2594, 0.4259,
0.2124

■ 97.5418, 0.3120,
0.3309

■ 23.1583, 0.4276,
0.2129

■ 99.0680, 0.3096,
0.3290

Harmonies

Analogous

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



40.4155, 0.2689, 0.2106



40.4155, 0.3565, 0.2451



40.4155, 0.4407, 0.2967

Triad

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



40.4155, 0.3565, 0.2451



40.4155, 0.4153, 0.4739



40.4155, 0.1669, 0.2628

Complementary

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



40.4155, 0.3565, 0.2451



75.7991, 0.2867, 0.4332

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.



40.4155, 0.1950, 0.3468



40.4155, 0.3565, 0.2451



40.4155, 0.3365, 0.4911

Square

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



40.4155, 0.3565, 0.2451



40.4155, 0.4716, 0.4199



40.4155, 0.2556, 0.4416



40.4155, 0.1708, 0.2144

Rectangle

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



40.4155, 0.3565, 0.2451



40.4155, 0.4759, 0.3365



40.4155, 0.2556, 0.4416



40.4155, 0.1726, 0.2872

Sweetspot

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



40.4174, 0.3565, 0.2451



77.1957, 0.3229, 0.3036



30.5137, 0.2467, 0.1843



15.9178, 0.3245, 0.3000



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.



40.4174, 0.3565, 0.2451



35.7131, 0.3697, 0.2302



37.9765, 0.4241, 0.3057



17.4221, 0.3188, 0.3132



12.3091, 0.4254, 0.2117



1.1596, 0.4097, 0.2031

Inverse Universe

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



40.4174, 0.3565, 0.2451



35.7131, 0.3697, 0.2302



78.5547, 0.2582, 0.3556



17.4221, 0.3188, 0.3132



12.3091, 0.4254, 0.2117



1.1596, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 40.4155, 0.3565, 0.2451 looks on a white background.

Color Contrast Check

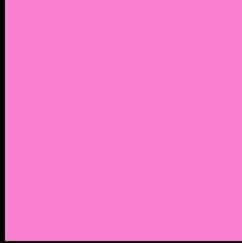
Large Text (above 18pt) WCAG AA × Fail

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 40.4155, 0.3565, 0.2451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

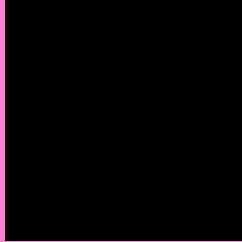
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4155, 0.3565, 0.2451

Background



This preview shows how black text looks on a background with the Yxy color 40.4155, 0.3565, 0.2451.



This preview shows how white text looks on a background with the Yxy color 40.4155, 0.3565, 0.2451.

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

40.4155, 0.3565, 0.2451

Protanopia

40.6861, 0.2465, 0.2381

Deuteranopia

40.6072, 0.2871, 0.2817



Tritanopia

40.5172, 0.4119, 0.3184

Trichromacy



Original Color

40.4155, 0.3565, 0.2451



Protanomaly

38.8787, 0.2794, 0.2372



Deuteranomaly

39.5181, 0.3102, 0.2644



Tritanomaly

40.1797, 0.3921, 0.2904

Monochromacy



Original Color

40.4155, 0.3565, 0.2451



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.2584, 0.3288, 0.2917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4155, 0.3565, 0.2451 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(250, 128, 210)` looks like.

```
.text, #text, p{  
    color:rgb(250, 128, 210)  
}
```

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(250, 128, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 128, 210) }
```

Border

The CSS property to change the border of an element to Yxy 40.4155, 0.3565, 0.2451 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(250, 128, 210) }
```

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

```
.border{ border-color:rgb(250, 128, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 128, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 128, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 128, 210);  
box-shadow:4px 4px 4px 4px rgb(250, 128,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4155, 0.3565, 0.2451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 128, 210) }
```

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

```
.background{ background-color: rgb(250,  
128, 210) }
```

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