

Converting Colors

$Y_{xy}(40.5363, 0.3497, 0.2310)$

Have a look what the booklet for
Yxy(40.5363, 0.3497, 0.2310)
contains.

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Color

Yxy(40.6998, 0.3496, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	FF7BDE
RGB	255, 123, 222
RGB Percent	100%, 48%, 87%
CMY	0.0000, 0.5177, 0.1293
CMYK	0.00, 0.52, 0.13, 0.00
HSL	315°, 100%, 74%
HSV	315°, 52%, 100%
XYZ	61.5160, 40.6998, 73.7453
YIQ	173.7540, 46.8930, 58.7730

Conversions

Conversions Part 2

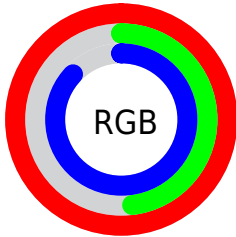
Format	Color
R _{YB}	255, 123, 222
Decimal	16743390
CIE Lab	69.97, 61.96, -27.42
CIE LCh	70, 67.759, 336.126
Yxy	40.6998, 0.3496, 0.2313
Android (android.graphics.Color)	4294933470 (0xFFFF7BDE)
YUV	173.7540, 23.7853, 71.2527
Hunter-Lab	63.7964, 60.4758, -23.8787

Details

The Yxy color $40.6998, 0.3496, 0.2313$ is a light color, and the websafe version is hex FF66CC . A complement of this color would be $78.1286, 0.2904, 0.4544$, and the grayscale version is $42.0496, 0.3127, 0.3290$.

A 20% lighter version of the original color is $61.1225, 0.3162, 0.2556$, and $18.4222, 0.3578, 0.2080$ is the 20% darker color. If you saturate the color by 10%, you get $34.8403, 0.3593, 0.2162$, and if you desaturate by 10%, it is $48.2166, 0.3405, 0.2489$.

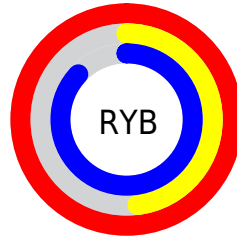
Distribution



Red (100%)

Green (48%)

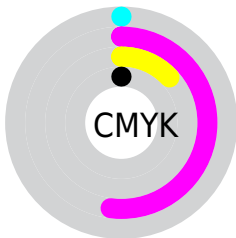
Blue (87%)



Red (100%)

Yellow (48%)

Blue (87%)

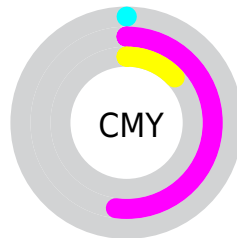


Cyan (0%)

Magenta (52%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6998, 0.3496, 0.2313 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 40.6998, 0.3496, 0.2313 by changing the saturation by 10% instead.


 40.6998, 0.3496,
0.2313


 40.6998, 0.3496,
0.2313


349.0644, 0.3328,
0.2767

 28.0846, 0.3533,
0.2210


 76.2280, 0.3439,
0.2470

 18.3894, 0.3578,
0.2084


 99.9097, 0.3416,
0.2531

 11.2299, 0.3634,
0.1926


 128.0491, 0.3396,
0.2584

 6.2217, 0.3704,
0.1722

161.0305, 0.3379,
0.2630

 2.9804, 0.3792,
0.1455

199.2384, 0.3364,
0.2670

 1.1215, 0.3904,
0.1095

243.0570, 0.3351,

 0.0000, 0.4296,

0.2706

0.0000

292.8709, 0.3339,
0.2738

■ 0.0000, 0.3922,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6998, 0.3496,
0.2313

■ 40.6998, 0.3496,
0.2313

■ 34.8403, 0.3593,
0.2162

■ 48.2166, 0.3405,
0.2489

■ 30.5113, 0.3695,
0.2046


■ 57.5118, 0.3324,
0.2680


■ 27.5608, 0.3798,
0.1975

■ 68.6902, 0.3252,
0.2876

■ 25.8072, 0.3899,
0.1953

■ 81.8498, 0.3189,
0.3070

 25.0359, 0.3979,
0.1966

 97.0816, 0.3136,
0.3258

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



40.6998, 0.2540, 0.1966



40.6998, 0.3496, 0.2313



40.6998, 0.4475, 0.2852

Triad

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



40.6998, 0.3496, 0.2313



40.6998, 0.4323, 0.4825



40.6998, 0.1542, 0.2620

Complementary

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



40.6998, 0.3496, 0.2313



78.1286, 0.2904, 0.4544

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.



40.6998, 0.1875, 0.3601



40.6998, 0.3496, 0.2313



40.6998, 0.3465, 0.5133

Square

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



40.6998, 0.3496, 0.2313



40.6998, 0.4922, 0.4180



40.6998, 0.2567, 0.4677



40.6998, 0.1553, 0.2058

Rectangle

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



40.6998, 0.3496, 0.2313



40.6998, 0.4910, 0.3274



40.6998, 0.2567, 0.4677



40.6998, 0.1612, 0.2905

Sweetspot

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



40.6984, 0.3496, 0.2313



76.0355, 0.3215, 0.2989



28.2320, 0.2333, 0.1714



15.6974, 0.3228, 0.2948



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.



40.6984, 0.3496, 0.2313



34.7241, 0.3596, 0.2159



37.8978, 0.4216, 0.2931



18.2183, 0.3176, 0.3113



13.1070, 0.3964, 0.1957



1.2936, 0.3859, 0.1899

Inverse Universe

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



40.6984, 0.3496, 0.2313



34.7241, 0.3596, 0.2159



80.8865, 0.2608, 0.3712



18.2183, 0.3176, 0.3113



13.1070, 0.3964, 0.1957



1.2936, 0.3859, 0.1899

Previews

White Background



This preview shows how the Yxy color 40.6998, 0.3496, 0.2313 looks on a white background.

Color Contrast Check

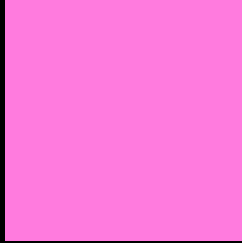
Large Text (above 18pt) WCAG AA × Fail

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 40.6998, 0.3496, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

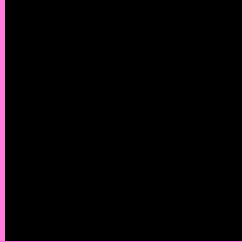
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6998, 0.3496, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 40.6998, 0.3496, 0.2313.

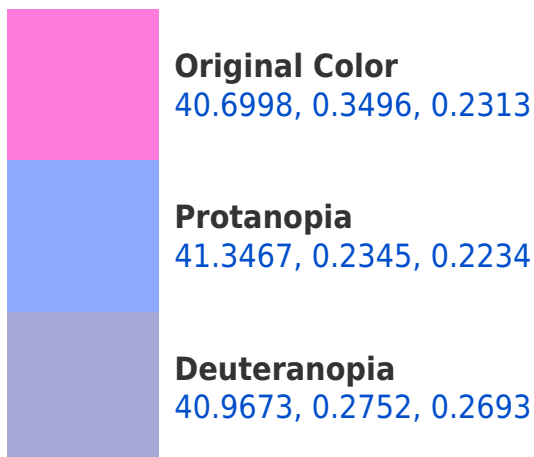


This preview shows how white text looks on a background with the Yxy color 40.6998, 0.3496, 0.2313.

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

40.4414, 0.4168, 0.3174

Trichromacy



Original Color

40.6998, 0.3496, 0.2313



Protanomaly

38.9948, 0.2670, 0.2218



Deuteranomaly

39.4720, 0.2991, 0.2509



Tritanomaly

40.2336, 0.3925, 0.2838

Monochromacy



Original Color

40.6998, 0.3496, 0.2313



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

39.9008, 0.3263, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6998, 0.3496, 0.2313 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, 123, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 222)  
}
```

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, 123, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 222) }
```

Border

The CSS property to change the border of an element to Yxy 40.6998, 0.3496, 0.2313 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, 123, 222) }
```

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

```
.border{ border-color:rgb(255, 123, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6998, 0.3496, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 222) }
```

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

```
.background{ background-color: rgb(255,  
123, 222) }
```

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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